THOMSON CONSUMER ELECTRONICS

NORDMENDE **SABA** **TELEFUNKEN** **THOMSON**

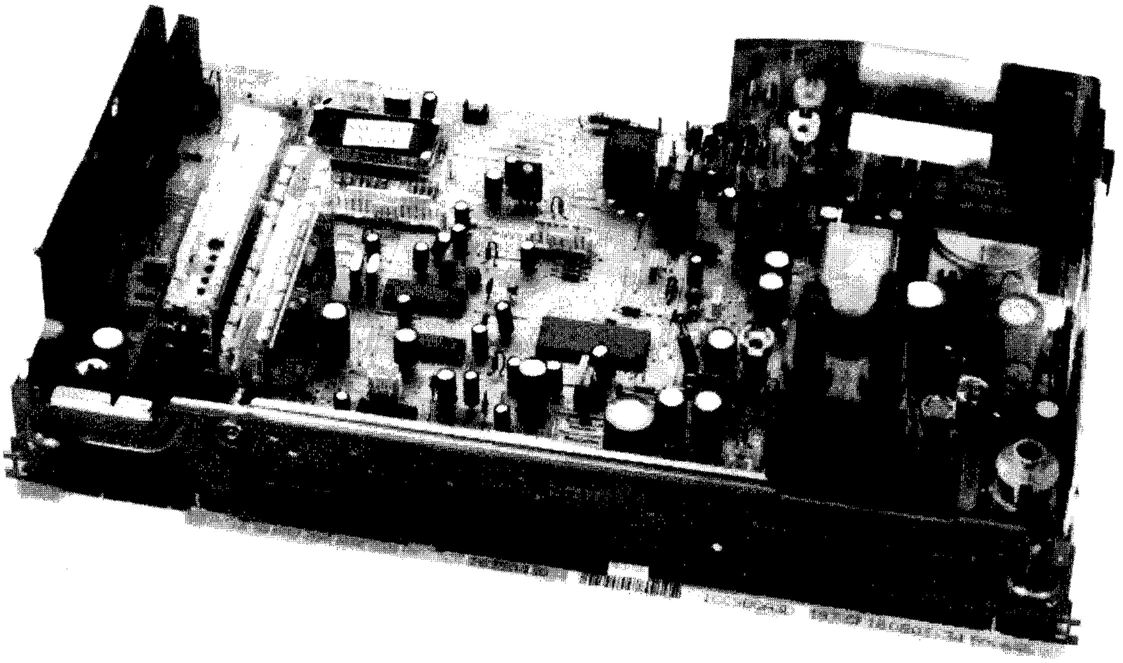
TV

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

ICC9

4/3 - 16/9 - SAT

ICC9
- 158 0
- 168 C
- 178 0
- 494 B
- AJA0 G
- ALA0 G
- B1A4 T
- B1A6 C
- B2A1 B
- B2A3 C/D
- B4A4 T/D
- B4H B
- B4A4 J
- B4A5 C
- B5A3 0
- B9A5 J
- B9A6 C
- BDA4 C/T/J
- BDH B
- BJA5
- BKA5
- BOA3 C



⚠

WARNING : *Before servicing this chassis read the safety recommendations.*
ATTENTION : *Avant toute intervention sur ce châssis, lire les recommandations de sécurité.*
ACHTUNG : *Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.*
ATTENZIONE : *Prima di intervenire sullo chassis, leggere le norme di sicurezza.*
IMPORTANTE : *Antes de cualquier intervención, leer las recomendaciones de seguridad.*

MC-Service

Code : 104 489 30 - 02/96

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⚠ Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be garanteed.

Le remplacement des éléments de sécurité (repérés avec le symbole ⚠) par des composants non homologués selon la Norme CEI 65 entraine la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) nicht durch Original - Ersatzteile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (marcati con il segno ⚠) con componenenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio. In tal caso è "esclusa la responsabilità " del costruttore.

La sustitución de elementos de seguridad (marcados con el simbolo ⚠) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

MEASUREMENT CONDITIONS - CONDITIONS DE MESURES - MESSBEDINGUNGEN CONDIZIONI DI MISURA - CONDICIONES DE MEDIDAS

RECEIVER : On UHF,input level : 1 mV, bar test pattern :
- PAL, I standard, 100% white.

Via the scart socket, input level : 1 Vpp, bar test pattern :

Colour, contrast and brightness at mid-position, sound at minimum.
Programme selected : PR 01.

DC voltages measured between the point and earth using a digital voltmeter.

RECEPTEUR : En UHF, niveau d'entrée 1 mV mire de barres
- SECAM, Norm L, Blanc 100%.

Par la prise Péritélévision, niveau d'entrée 1 Vcc, mire de barres .

Couleur, contraste, lumière à mi-course, son minimum.
Programme affecté PR 01.

Tensions continues relevées par rapport à la masse avec un voltmètre numérique.

EMPFÄNGER : Bei UHF Eingangspegel 1 mV. Farbbalken :
- PAL, Norm G, Weiss 100%.

Über die Scartbuchse : Eingangspegel 1 Vss, Farbbalken :

Farbe, Kontrast, Helligkeit in der Mitte des Bereichs, Ton auf Minimum.
Zugeordnetes Programm PR 01.

Gleichspannungen mit einem digitalen Voltmeter zur Masse gemessen.

RICEVITORE : In UHF, livello d'entrata 1 mV, monoscopio per barre :
- PAL, norma G. bianco 100%.

Per la pressa SCART, livello d'entrata 1 Vcc. monoscopio per barre :

Colore, Contrasto, Luce a metä corsa, Suono minimo.
Programma designato PR 01.

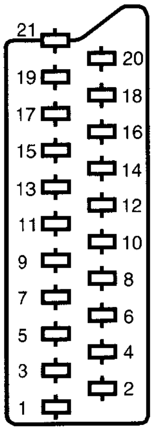
Tensioni continue rilevate rispetto alla massa con un voltametro numerico.

RECEPTOR : En UHF, nivel de entrada 1 mV, mira de barras :
- PAL, norma G, blanco 100%.

Por la toma Peritelevision, nivel de entrada 1 Vpp mira de barra.

Color, Contraste, luz a mitad de carrera, Sonido minimo.
Programa afectado PR 01.

Tensiones continuas marcadas en relacion a la masa con un voltimetro digital.



NOTE :(MAIN)... etc. identifies each pcb module.

NOTE :(MAIN)... etc. repères des platines constituant l'appareil.

HINWEIS : (MAIN) ...usw. Kennzeichnung der Platinen, aus denen das Gerät zusammengesetzt ist.

NOTA :(MAIN)... ecc. indicazioni delle piastre che costituiscono l'apparecchio.

NOTA :(MAIN)... etc. marcas de las placas que constituyen el aparato.

		ENGLISH	FRANÇAIS	DEUTSCH	ITALIANO	ESPANÕL
1	○→	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
2	→○	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
3	○→	AUDIO "L"	AUDIO "G"	AUDIO "L"	AUDIO "S"	AUDIO "I"
4	⊥	AUDIO	AUDIO	AUDIO	AUDIO	AUDIO
5	⊥	" BLUE "	" BLEU "	"BLAU"	"BLU"	"AZUL"
6	→○	AUDIO "L" MONO	AUDIO "G" MONO	AUDIO "L" MONO	AUDIO "S" MONO	AUDIO "I" MONO
7	→○	" BLUE "	" BLEU "	"BLAU"	BLU	AZUL
8	→○	SLOW SWITCH	COMMUT. LENTE	AV UMSCHALTUNG	"COMMUTAZIONE LENTA"	"CONMUTACION LENTA"
9	⊥	" GREEN "	"VERT"	"GRÜN"	"VERDE"	"VERDE"
10	NC					
11	→○	" GREEN "	"VERT"""	"GRÜN"	"VERDE"	"VERDE"
12	NC					
13	⊥	" RED "	"ROUGE"	"ROT"	"ROSSO"	"ROJA"
14	NC					
15	→○	" RED "	"ROUGE"	"ROT"	"ROSSO"	"ROJA"
16	→○	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"
17	⊥	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO
18	⊥	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"
19	○→	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO
20	→○	VIDEO OR "SYNC"	VIDEO SYNCHRO	VIDEO ODER SYNCHRO	VIDEO O SINCRO	VIDEO O SINCRO
21	○→	PLUG SCREEN BOX	BLINDAGE PRISE	ABSCHIRMUNG DES STECKERS	ARMATURA DELLA SPINA	BLINDAJE DEL ENCHUFE

○→ : OUTPUT - SORTIE - AUSGANG - USCITA - SALIDA
→○ : INPUT - ENTRÉE - EINGANG - ENTRATA - ENTRADA
⊥ : EARTH - MASSE - MASSE - MASSA - MASA

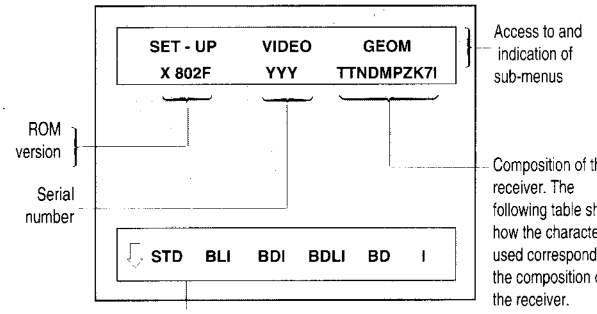
SERVICE-MODE (GB)

It is necessary to enter the Service Mode in order to carry out alignment of the TV set. Most adjustments can be made with the RCU, except the Focus and Screen voltages.

1. Service Mode Access

Important : The Service Mode cannot be entered if any equipment is connected to the Scart socket, i.e. pin 8 switching voltage present.

1.1 With the RCU, switch the TV set into the "**Standby**" mode.
1.2 Switch "**Off**" the TV set by mains supply switch (wait until LED is dark).
1.3 Whilst depressing the RCU "**Blue (VT)**" button, switch "**On**" the TV set using the mains supply switch.
1.4 Release and press once again the RCU "**Blue (VT)** " button, the following "**Set-Up**" menu should be displayed."


SET - UP
VIDEO
GEOM
X 802F
YYY
TTNDMPZK7I
Access to and indication of sub-menus
ROM version
Serial number
Composition of the receiver. The following table shows how the characters used correspond to the composition of the receiver.
STD
BLI
BDI
BDLI
BD
I

Adjustment menu selection bar : 1 to 4 lines displayed which can be selected by keys 1 to 4 on the remote control.

Character	Setting
T	Text board build in
TT	Top-Text board build in
N	Nicam board build in
M	Mono sound is build in
P	Picture Signal Improvement

Character	Setting
Z	Zoom is build in
K	TELEFUNKEN TV set
7	Subcode 7 enabled
I	IR-lock ON
D	Dolby board build in

Three sub-menus can be accessed from the main service mode menu:

a) **SET-UP**	: TVsettings
b) **VIDEO**	: Access to video adjustments
c) **GEOM**	: Geometry adjustments

2. Sub-Menu Selection

2.1 With the RCU Volume "+" and "-" buttons, highlight the menu containing the function to be aligned.
2.2 Press the RCU "**Blue (VT)** " button : Selection
Press the RCU "-⯈⯇-" button : Selection
to highlight the function to be aligned.

3. Switching between Service and TV modes

3.1 Whilst in the Service Mode, normal TV controls are disabled, to enable these controls whilst in the Service Mode (i.e. for channel changing etc.) press the"**TV**" button on the RCU. To return to the Service Mode, press the "**Blue (VT)**" button on the RCU.

4. Alignment and storing new function value

4.1 The current value of the selected function is displayed in a hexadecimal form to the right of the function name. This value is adjusted by means of the RCU Volume "+" and "-" buttons.
4.2 To STORE the functions new value, highlight **MEMO** and press the RCU Volume "+" button.
4.3 To RESTORE the functions original value, highlight **RESTORE** and press the RCU Volume "+" button.
So it's possible to check and here and there without destroying any values unless the store function were executed.
4.4 Selection the ROM functions downloads the production software default values, these are not very accurate and should only be used in very special cases.

5. Leaving the Service Mode

5.1 To leave the Service mode either, switch the TV set into "**Standby**" or switch "**Off**" the mains supply.

SERVICE-MODE (D)

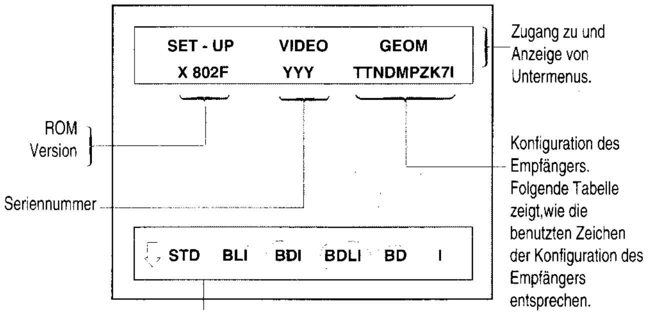
Der Service-Mode wird für den Geräteabgleich benötigt. Alle Einstellungen erfolgen mit der Fernbedienung FB (bis auf Fokuseinstellung und Schirmgitterspannung).

1.Service-Mode einschalten

Achtung : Der Service-Mode läßt sich nicht einschalten, wenn an einer Euro-AV-Buchse ein Gerät aktiviert ist, d.h. die Schaltspannung anliegt.

1.1 Mit der Fernbedienung das Fernsehgerät in Stand-by schalten.
1.2 Das Gerät mit dem Netzschalter ausschalten (warten bis LED dunkel ist)
1.3 Die blaue Taste der Fernbedienung gedrückt halten und gleichzeitig das Gerät mit dem Netzschalter einschalten.
1.4 Das folgende Menü erscheint nach erneutem Drücken der blauen Taste

V 541F TTNPZK


SET - UP
VIDEO
GEOM
X 802F
YYY
TTNDMPZK7I
Zugang zu und Anzeige von Untermenus.
ROM Version
Seriennummer
Konfiguration des Empfängers. Folgende Tabelle zeigt,wie die benutzten Zeichen der Konfiguration des Empfängers entsprechen.
STD
BLI
BDI
BDLI
BD
I

Auswahl-Block des Einstell-Menüs : 1 - 4 Zeilen werden angezeigt; diese können mit den Tasten 1-4 der Fernbedienung angewählt werden

Character	Setting
T	Text board build in
TT	Top-Text board build in
N	Nicam board build in
M	Mono sound is build in
P	Picture Signal Improvement

Character	Setting
Z	Zoom is build in
K	TELEFUNKEN TV set
7	Subcode 7 enabled
I	IR-lock ON
D	Dolby board build in

Drei Untermenüs sind vom Haupt-Servicemenü aus zugänglich:

a) **SET-UP**	: TV Einstellungen
b) **VIDEO**	: Videoeinstellungen
c) **GEOM**	: Bild-Geometrie-Einstellungen

2. Sub-Menü Wahl

2.1 Mit den Tasten +/- wird das entsprechende Menü gewählt, welches mit der blauen Taste «durchgeblättert wird» .
2.2 Drücken Sie die "**blaue FB-Taste (VT)** " : Selektion
Drücken Sie die " -⯈⯇-" FB-Taste : Selektion
um einzustellende Funktionen hervorzuheben.

3. Umschalten zwischen Service-Mode und TV-Betrieb

3.1 Im Service-Mode sind die normalen Fernsehfunktionen nicht bedienbar. Werden diese im Service-Mode benötigt (z.B. Programmwechsel), kann mit der Taste (**TV**) in den normalen TV-Betrieb geschaltet werden. Durch Drücken der blauen Taste gelangt man zurück zum Service-Mode.

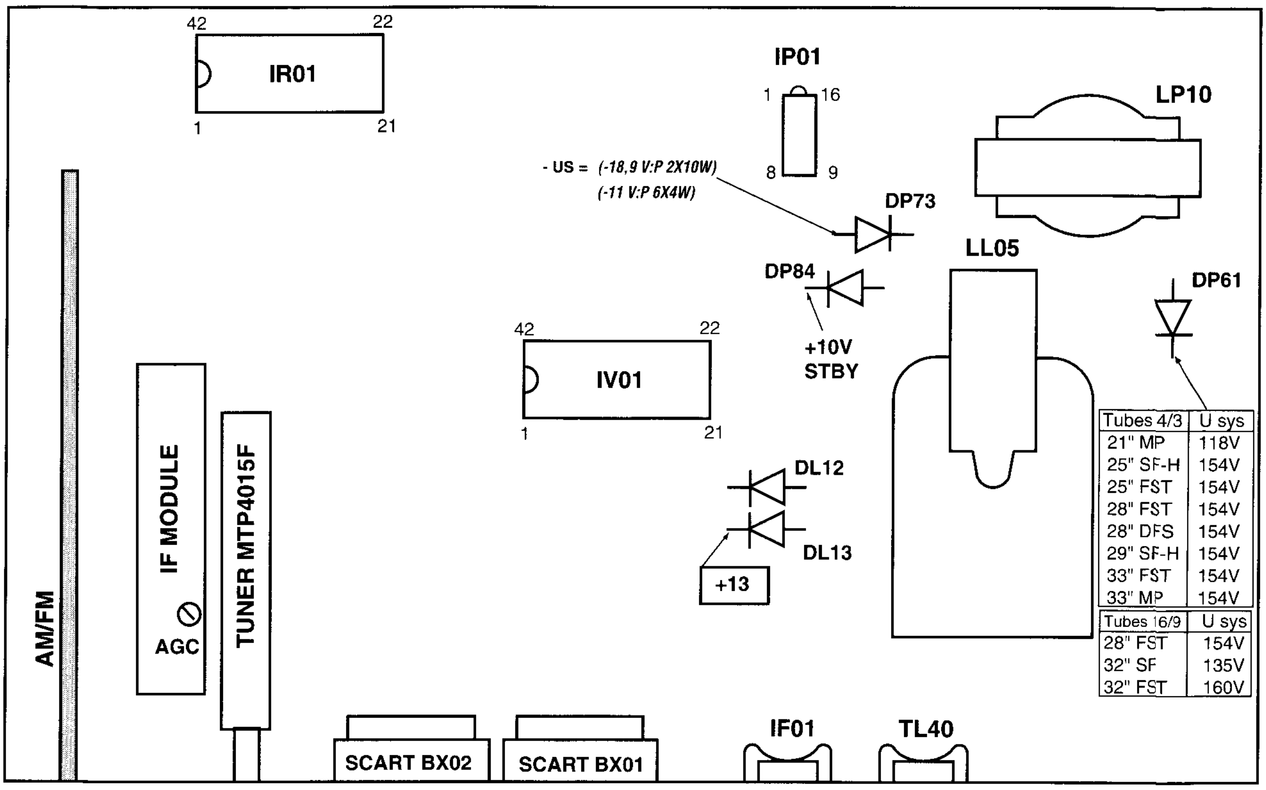
4. Abgleich der gewählten Funktion und Speichern

Der momentane Wert der gewählten Funktion wird hexadezimal rechts neben der abzugleichenden Position angegeben und kann mit der Taste + bzw. - auf der Fembedienung verändert werden.
Die Änderungen des jeweiligen Menüs können unter MEMO mit der + Taste gespeichert, bzw.unter RESTORE rückgängig gemacht werden. So ist es möglich, an verschiedenen Stellen zu prüfen, ohne irgendwelche Werte zu löschen; es sei denn,die Speicher-Funktion wurde ausgeführt.
Im Menüpunkt ROM kann man die Software-Defaultwerte laden.Sie sind aber nur eine grobe Annäherung an den noch vorzunehmenden Abgleich und sollten nur im Notfall verwendet werden.

5. Service-Mode verlassen

5.1 Zum Verlassen des Service-Mode das Gerät in Stand-by schalten oder mit dem Netzschalter ausschalten.

LOCATION OF CONTROLS - EMPLACEMENT DES REGLAGES - SERVICE LAGEPLAN - POSIZIONE REGULATORI DI SERVIZIO - SITUACIÓN DE LOS AJUSTES


42
22
IR01
1
21
IP01
1
16
8
9
LP10
- US = (-18,9 V:P 2X10W)
(-11 V:P 6X4W)
DP73
LL05
DP84
+10V
STBY
DP61
42
22
IV01
1
21
DL12
DL13
+13
IF MODULE
AGC
TUNER MTP4015F
AM/FM
SCART BX02
SCART BX01
IF01
TL40

Tubes 4/3	U sys
21" MP	118V
25" SF-H	154V
25" FST	154V
28" FST	154V
28" DFS	154V
29" SF-H	154V
33" FST	154V
33" MP	154V

Tubes 16/9	U sys
28" FST	154V
32" SF	135V
32" FST	160V

ADJUSTMENTS - REGLAGES - EINSTELLUNGEN REGOLAZIONE - AJUSTES

Aligning the television set

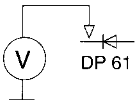
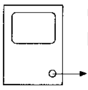
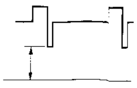
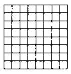
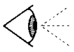
Recommended order

- Configuration of the television set
- **U System**
- Adjusting G2 and Focus
- H-VCO
- Vertical and horizontal geometry
- Video adjustments
- satellite Module

Einstellen des Fernsehgerätes

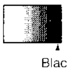
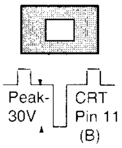
Empfohlene Reihenfolge

- TV Einstellungen
- **U System**
- Einstellung G2 und Focus
- H-VCO
- Vertikal und horizontal Geometrie
- Video Abgleich
- Satelliten Baustein

<table>
<tr>
<td>U Sys</td>
<td>TV-Keypad
+ / - (Volume)
Service MODE
Menu GEOMETRY VOLT</td>
<td>Contrast, brightness and volume to minimum</td>
<td>
</td>
<td>
<table>
<tr><th>Tubes 4/3</th><th>U sys</th></tr>
<tr><td>21" MP</td><td>118V</td></tr>
<tr><td>25" SF-H</td><td>154V</td></tr>
<tr><td>25" FST</td><td>154V</td></tr>
<tr><td>28" FST</td><td>154V</td></tr>
<tr><td>28" DFS</td><td>154V</td></tr>
<tr><td>29" SF-H</td><td>154V</td></tr>
<tr><td>33" FST</td><td>154V</td></tr>
<tr><td>33" MP</td><td>154V</td></tr>
</table>
<table>
<tr><th>Tubes 16/9</th><th>U sys</th></tr>
<tr><td>28" FST</td><td>154V</td></tr>
<tr><td>32" SF</td><td>135V</td></tr>
<tr><td>32" FST</td><td>160V</td></tr>
</table>
</td>
</tr>
<tr>
<td>U G2 cutoff</td>
<td>SCREEN</td>
<td>AV (no Signal, black screen)</td>
<td>
CRT IB01: pins 9 / 12 / 15
highest output</td>
<td>
<table>
<tr><th>Tubes 4/3</th><th>CRT</th><th>Cutoff</th></tr>
<tr><td>21" MP</td><td>9100</td><td>150V</td></tr>
<tr><td>25" SF-H</td><td>9104</td><td>160V</td></tr>
<tr><td>25" FST</td><td>9105</td><td>160V</td></tr>
<tr><td>28" FST</td><td>9101</td><td>160V</td></tr>
<tr><td>28" DFS</td><td>9100</td><td>150V</td></tr>
<tr><td>29" SF-H</td><td>BS9001</td><td>160V</td></tr>
<tr><td>33" FST</td><td>9101</td><td>160V</td></tr>
<tr><td>33" MP</td><td>9101</td><td>160V</td></tr>
</table>
<table>
<tr><th>Tubes 16/9</th><th>CRT</th><th>Cutoff</th></tr>
<tr><td>28" FST</td><td>9104</td><td>160V</td></tr>
<tr><td>32" SF</td><td>BS9002</td><td>160V</td></tr>
<tr><td>32" FST</td><td>BS9001</td><td>160V</td></tr>
</table>

</td>
</tr>
<tr>
<td>FOCUS</td>
<td>FOCUS</td>
<td>
Test pattern
(standard values)</td>
<td></td>
<td>Sharp picture</td>
</tr>
</table>

SET-UP VIDEO GEOM
XXX 123456789 TTNMPZK7I

STD	BLI B BDLI BD I	
INVAR	ON OFF	
S - BRIGHT 13	------------------:-------------------	
S - COLOUR 10	------------------:-------------------	
T - CONTR 04	------------------:-------------------	
TEXT LANGUAGE	1 2 3 4	
SAT CONT *	------------------:-------------------	
SUBCODE 7 *	ON OFF	
ZOOM*	ON OFF	
TUBE TYPE*	16/9 4/3	
WSS	ON OFF	
DEC PR04	ON OFF	
STORE	(+)	
RESTORE	(+)	
ROM	(+)	

SET-UP		
STD	**Standards** BLI PAL/SECAM BG SECAM L-I B PAL/SECAM BG BDLI PAL/SECAM BG SECAM L-DKK'I BD PAL/SECAM BG DKK' I I	
INVAR	**ON** / OFF	**ON** : a defined offset for contrast will be used. Auswählen Select (See PEAK)
S-BRIGHT	(Press OMA)	 Black
PAL S-Colour	**PAL Color-Bar Test Pattern** (Press OMA)	Saturation 100% **CRT Pin 11 (B)** (Oscillo.1)
T-CONTR	Contrast in TEXTmode Press "+" or "-"	
TXT Language	Video Text Language (See table)	
SAT. CONT.	Contrast Satellit	
SUBCODE 7	Enable Thomson remote control (only TFK-sets)	
ZOOM	Zoom Modul On : Enable - OFF: Disable	
TUBE	16/ 9 4/3 Tube type selection	
WSS	Wide Screen Signaling (16/9 tube and/or Dolby). **ON** : - 16/9 sets : Activates AUTO - FORMAT and AUTO-DOLBY. - 4/3 sets :only AUTO-DOLBY is activated. WSS is not used to switch the zoom/ format.	
DEC PR4	On : Enable - OFF : Disable NICAM from Canal+ decoder on PR04 program. NICAM vom Canal+ decoder auf PR04- Programm.	

SET-UP **VIDEO** GEOM
XXX 123456789 TTNMPZK7I

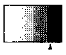
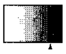
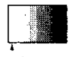
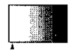
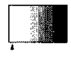
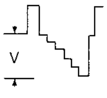
R - CUT	0F	
G - CUT	0F	
R - DRV	1F	
G - DRV	1F	
B - DRV	1F	
PEAK	(-/+)	
STORE	(+)	
RESTORE	(+)	
ROM	(+)	

Hex-values shown in the menus above are maximum values.

Hex-Werte, welche in obigen Menüs gezeigt werden, sind Maximalwerte.

** You may not see all the lines. Some of them dependent on the soft version.*

Es ist möglich, daß Sie nicht alle Zeilen sehen. Einige sind abhängig von Software-Versionen.

VIDEO		
R - CUT*		 grau, grey
G - CUT*		 grau, grey
R -DRV		 weiß. white
G - DRV		 weiß. white
B - DRV		 weiß. white
PEAK ☼ + ☯ = 50% ◑ = 100%	 **CRT Pin 6,8,11**	Tube V 21" 90 25" 95 25" Invar 100 28" 100 28" Invar 105 29" 100 29" Invar 110 33" 110

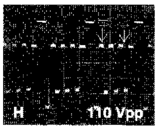
Notes :

* adjust separate for PAL/NTSC. SECAM and Satellite.

* für PAL/NTSC , SECAM und Satellit getrennt einstellen.

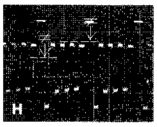
Oscillos 1 :

blue kathode



correct

blue kathode



incorrect

Table TXT Language

Number	Selection language
1	English,German,Swedish/Finnish,Italian French/Belgian,Spanisch,Czech,Romanian
2	Polish,German,Hungary,Turkish SerboCroat
3	English,German,Swedish,Finnish,Italian French/Belgian,Icelandic,Czech,Romanian
4	South Africa,German,Danish,Turkish SerboCroat

SET-UP VIDEO **GEOM**
XXX 123456789 TTNMPZK7I

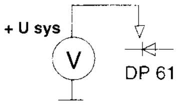
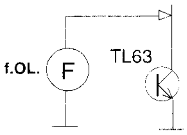
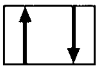
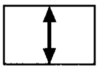
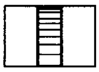
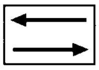
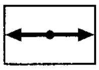
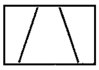
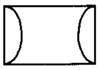
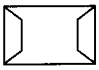
VOLT	1F	
H-VCO	07	
V - POS	0F	
V - AMP	3F	
V - LIN	07	
H - POS	1F	
H-AMP	3F	12.
TRAP	1F	
EW - 1	1F	
EW - 2	0F	
STORE	(+)	
RESTORE	(+)	
ROM	(+)	

Test Bar pattern used : 4/3 with geometric circle.

Testbild : 4/3 mit geometrischem Kreis.

. adjust separate for 4/3 and 16/9 format

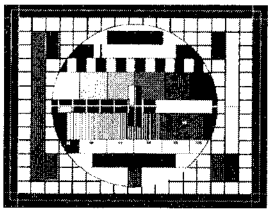
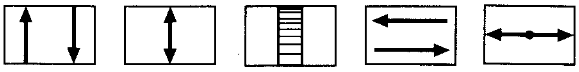
- für 4/3 and 16/9 getrennt einstellen

GEOM		
VOLT **+ U sys**	 ☼ + ☯ + ◑ = 50% - Use "+" or "-" TV keyboard to adjust +Usyst. Adjustment see above. - Mit "+" oder "-" am TV-Gerät + Usyst einstellen. Einstellung siehe oben.	
H - VCO	**Horizontal Oscillator**  No signal f.OL. = 15,625 kHz	
V - Pos		
V - Amp		
V - Lin		
H - POS		
H - AMP		
TRAP		
EW - 1		
EW - 2		

ZOOM MODE ALIGNMENT - RECEIVER : TV WITH 4/3 TUBE AND ZOOM MODULE

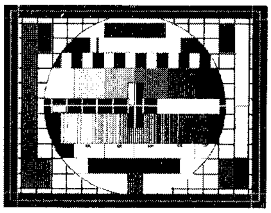
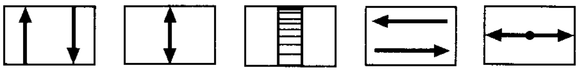
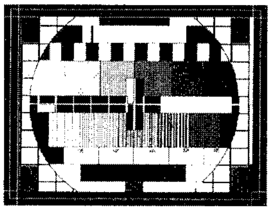
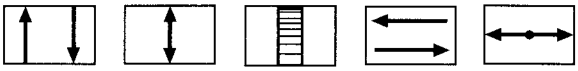
A - PRECONDITION

- Select GEOM in Service mode and adjust all parameters VOLT, H-VCO and GEOMETRY.

4/3 Standard mode		overscan V=107% , H=107% 

B - ZOOM MODE 4/3

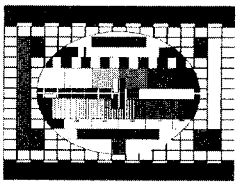
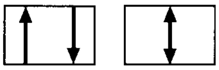
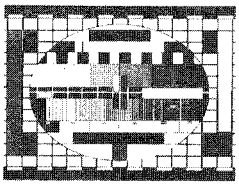
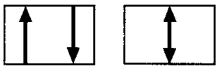
Signal : 4/3 test pattern

< 4/3 > ZOOM 1		overscan V=119% , H=119% 
<< 4/3 >> ZOOM 2		overscan V=137% , H=137% 

C - ZOOM MODE 16/9

Signal : 4/3 test pattern

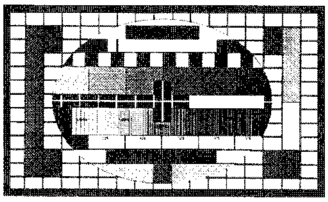
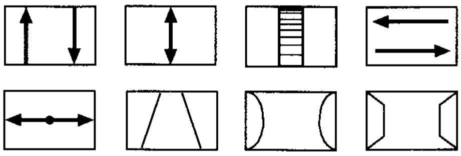
1 - Adjust the horizontal overscan (screen edge is the reference)
2 - Adjust Vertical Amplitude until the oval height = 75% of the oval width.

16/9 Standard mode		overscan V=80% , H=107% 
< 16/9 > ZOOM 1		overscan V=89% , H=119% 

ZOOM MODE ALIGNMENT - RECEIVER : TV WITH 16/9 TUBE AND ZOOM MODULE

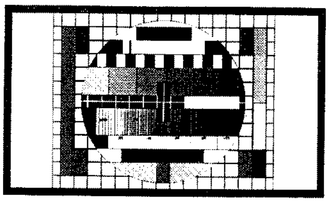
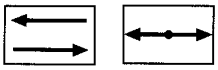
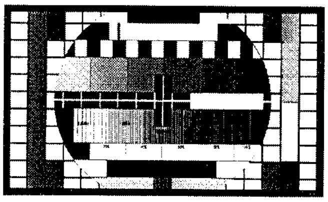
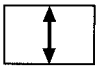
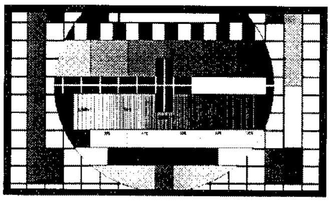
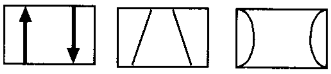
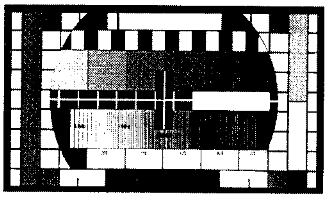
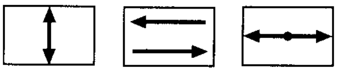
A - PRECONDITION

- Select GEOM in Service mode and adjust all parameters VOLT, H-VCO and GEOMETRY.

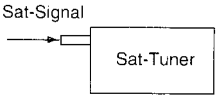
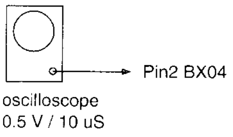
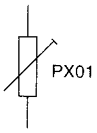
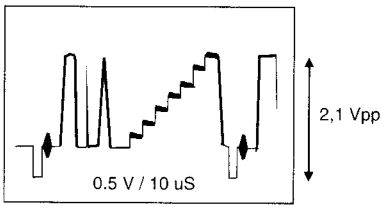
16 / 9		overscan V=107% , H=107% 

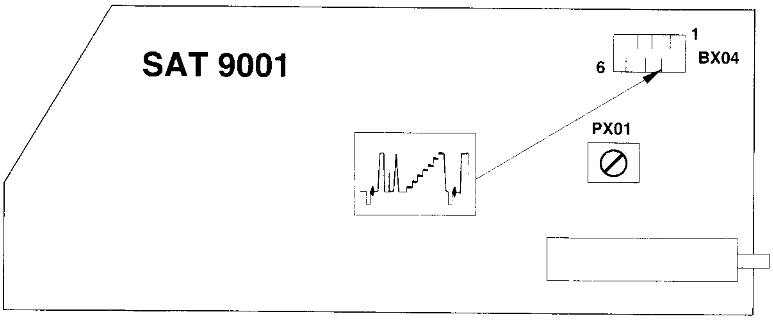
B - GEOMETRY MODES ON 16/9 TUBES

Signal : 4/3 test pattern

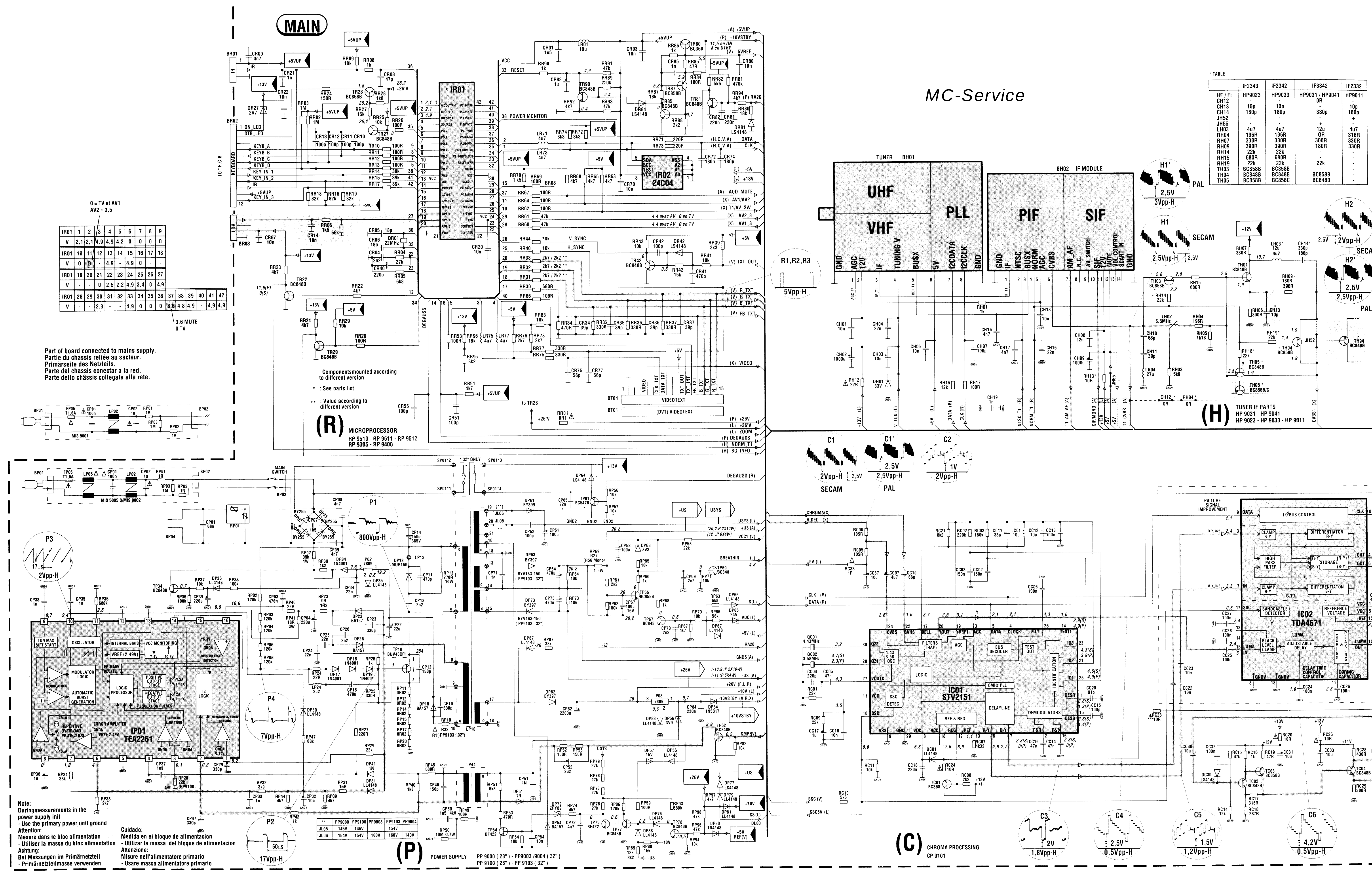
4/3 Centered		overscan V=107% , H=77% of the screen 
< 4/3 > wide		overscan V=133% , H=107% 
⇧ 4/3 ⇧ PANNING		overscan V=133% , H=107% 
⇦ ⇦ 4/3 ⇨ ⇨ CINE		overscan V=152% , H=114% 

SATELLITE MODULE - MODULE SATELLITE - SATELLITEN BAUSTEIN
MODULO SATELLITE - MÓDULO SATELTE

	ALIGNMENT	ABGLEICH
1.	**SIGNAL** -Astra signal - 16MHz Deviation / Hub - min. 60dBuV	 Sat-Signal Sat-Tuner
2.	**OSD-Menu < SAT PROGR >** - Select corresponding antenna input - Adjust Video Level Step 3.	**OSD-Menü < SAT PROGR >** - Den verwendeten Antenneneingang wählen - Video Pegel Step 3 entsprechenden
3.	 oscilloscope 0.5 V / 10 uS Adjust PX01 for 2,1 Vpp. 	 2,1 Vpp 0.5 V / 10 uS


SAT 9001
1
6
BX04
PX01

MAIN SCHEMATIC DIAGRAM - SCHEMA PLATINE PRINCIPALE - SCHALTBILD CHASSIS GRUNDPLATTE - SCHEMA PIASTRA PRINCIPALE - ESQUEMA PLATINA PRINCIPAL (CHASSIS 16 / 9)


MAIN
(R) MICROPROCESSOR
RP 9510 - RP 9511 - RP 9512
RP 9305 - RP 9400
IR01
IR02 24C04
TO " F.C.B
KEYBOARD
VIDEOTEXT
(DVT) VIDEOTEXT
(P) POWER SUPPLY
PP 9000 (28") - PP9003 /9004 (32")
PP 9100 (28") - PP 9103 (32")
IP01 TEA2261
P1 800Vpp-H
P2 60 µs 17Vpp-H
P3 17 µs 2Vpp-H
P4 7Vpp-H
(C) CHROMA PROCESSING
CP 9101
IC01 STV2151
IC02 TDA4671
C1 2Vpp-H 2,5V SECAM
C1' 2,5V 2,5Vpp-H PAL
C2 1V 2Vpp-H
C3 2V 1,8Vpp-H
C4 2,5V 0,5Vpp-H
C5 1,5V 1,2Vpp-H
C6 4,2V 0,5Vpp-H
R1,R2,R3 5Vpp-H
TUNER BH01
UHF
VHF
PLL
BH02 IF MODULE
PIF
SIF
(H) TUNER IF PARTS
HP 9031 - HP 9041
HP 9023 - HP 9033 - HP 9011
H1' 2,5V 3Vpp-H PAL
H1 2,5Vpp-H 2,5V SECAM
H2 2,5V 2Vpp-H
H2' 2,5V 2,5Vpp-H PAL
PICTURE SIGNAL IMPROVEMENT
* 32" ONLY

0 = TV et AV1
AV2 = 3,5

IR01	1	2	3	4	5	6	7	8	9
V	2,1	2,1	4,9	4,9	4,2	0	0	0	0
IR01	10	11	12	13	14	15	16	17	18
V	0	0	-	4,9	-	4,9	0	-	-
IR01	19	20	21	22	23	24	25	26	27
V	-	-	0	2,5	2,2	4,9	3,4	0	4,9

IR01	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
V	-	-	2,3	-	-	4,9	0	0	0	3,6	4,8	4,9	-	4,9	4,9

3,6 MUTE
0 TV

Part of board connected to mains supply.
Partie du chassis reliée au secteur.
Primärseite des Netzteils.
Parte del chassis conectar a la red.
Parte dello châssis collegata alla rete.

: Componentsmounted according to different version

* : See parts list

** : Value according to different version

Note:
Duringmeasurements in the power supply init
- Use the primary power unit ground

Attention:
Mesure dans le bloc alimentation
- Utiliser la masse du bloc alimentation

Achtung:
Bei Messungen im Primärnetzteil
- Primärnetzteilmasse verwenden

Culdado:
Medida en el bloque de alimentacion
- Utilizar la massa del bloque de alimentacion

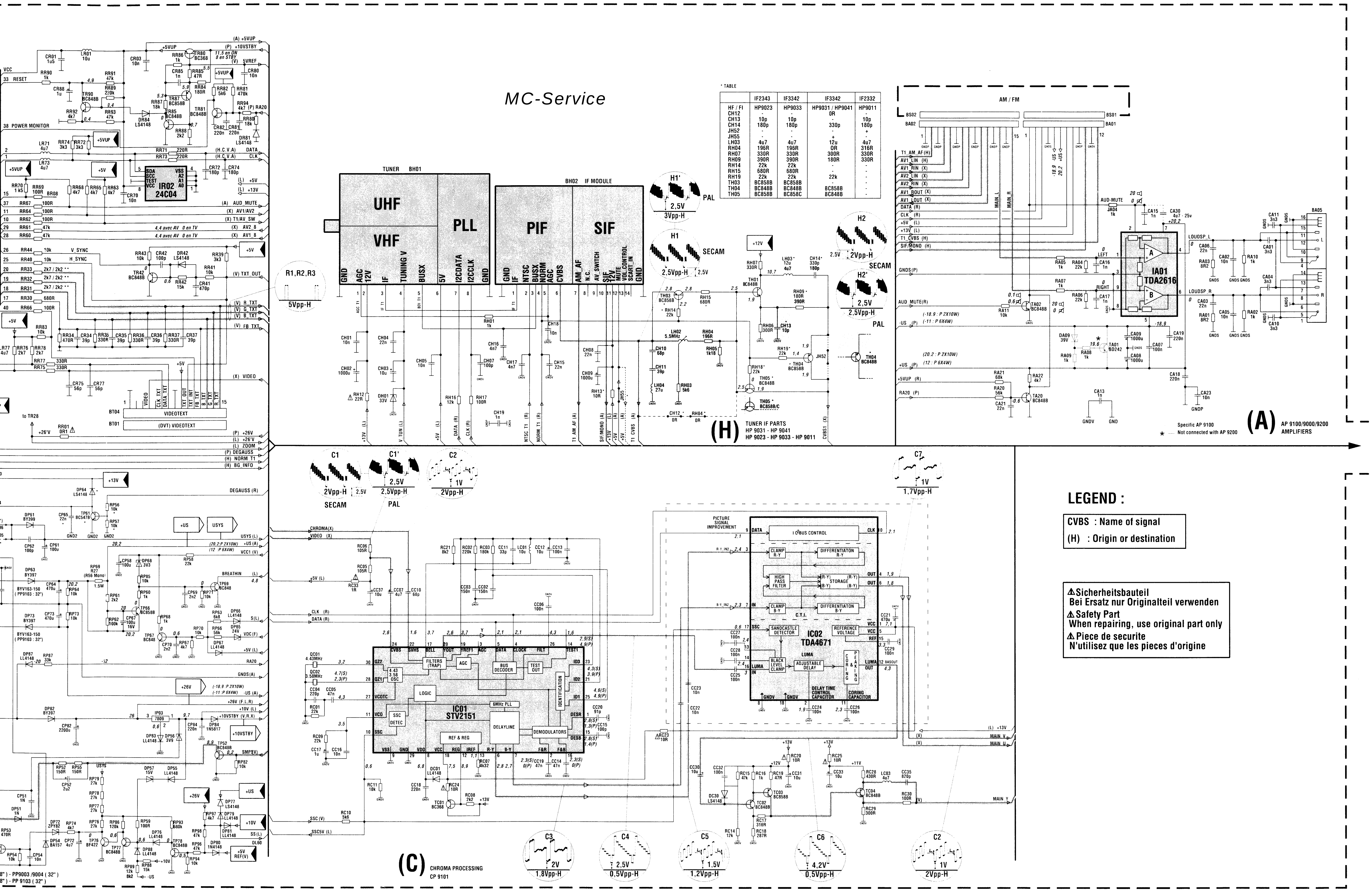
Attenzione:
Misure nell'alimentatore primario
- Usare massa alimentatore primario

**	PP9000	PP9100	PP9003	PP9103	PP9004
JL05	145V	145V		154V	
JL06	154V	154V	160V	160V	140V

* TABLE

	IF2343	IF3342	IF3342	IF2332
HF / FI	HP9023	HP9033	HP9031 / HP9041	HP9011
CH12	-	-	0R	-
CH13	10p	10p	-	10p
CH14	180p	180p	330p	180p
JH52	-	-	-	+
JH55	-	-	+	-
LH03	4u7	4u7	12u	4u7
RH04	196R	196R	0R	316R
RH07	330R	330R	300R	330R
RH09	390R	390R	180R	330R
RH14	22k	22k	-	-
RH15	680R	680R	-	-
RH19	22k	22k	22k	-
TH03	BC858B	BC858B	-	-
TH04	BC848B	BC848B	BC858B	-
TH05	BC858B	BC858C	BC848B	-

BILD CHASSIS GRUNDPLATTE - SCHEMA PIASTRA PRINCIPALE - ESQUEMA PLATINA PRINCIPAL (CHASSIS 16 / 9)


MC-Service
TUNER BH01
UHF
VHF
PLL
BH02 IF MODULE
PIF
SIF
IR02
24C04
R1,R2,R3
5Vpp-H
H1' 2,5V 3Vpp-H PAL
H1 2,5Vpp-H SECAM
H2 2Vpp-H SECAM
H2' 2,5V 2,5Vpp-H PAL
(H)
TUNER IF PARTS
HP 9031 - HP 9041
HP 9023 - HP 9033 - HP 9011
AM / FM
IA01
TDA2616
(A)
Specific AP 9100
Not connected with AP 9200
AP 9100/9000/9200
AMPLIFIERS
C1 2Vpp-H SECAM
C1' 2,5V 2,5Vpp-H PAL
C2 1V 2Vpp-H
C7 1V 1,7Vpp-H
IC01
STV2151
IC02
TDA4671
C3 2V 1,8Vpp-H
C4 2,5V 0,5Vpp-H
C5 1,5V 1,2Vpp-H
C6 4,2V 0,5Vpp-H
C2 1V 2Vpp-H
(C)
CHROMA PROCESSING
CP 9101
VIDEOTEXT
(DVT) VIDEOTEXT
8") - PP9003 /9004 (32")
8") - PP 9103 (32")

* TABLE

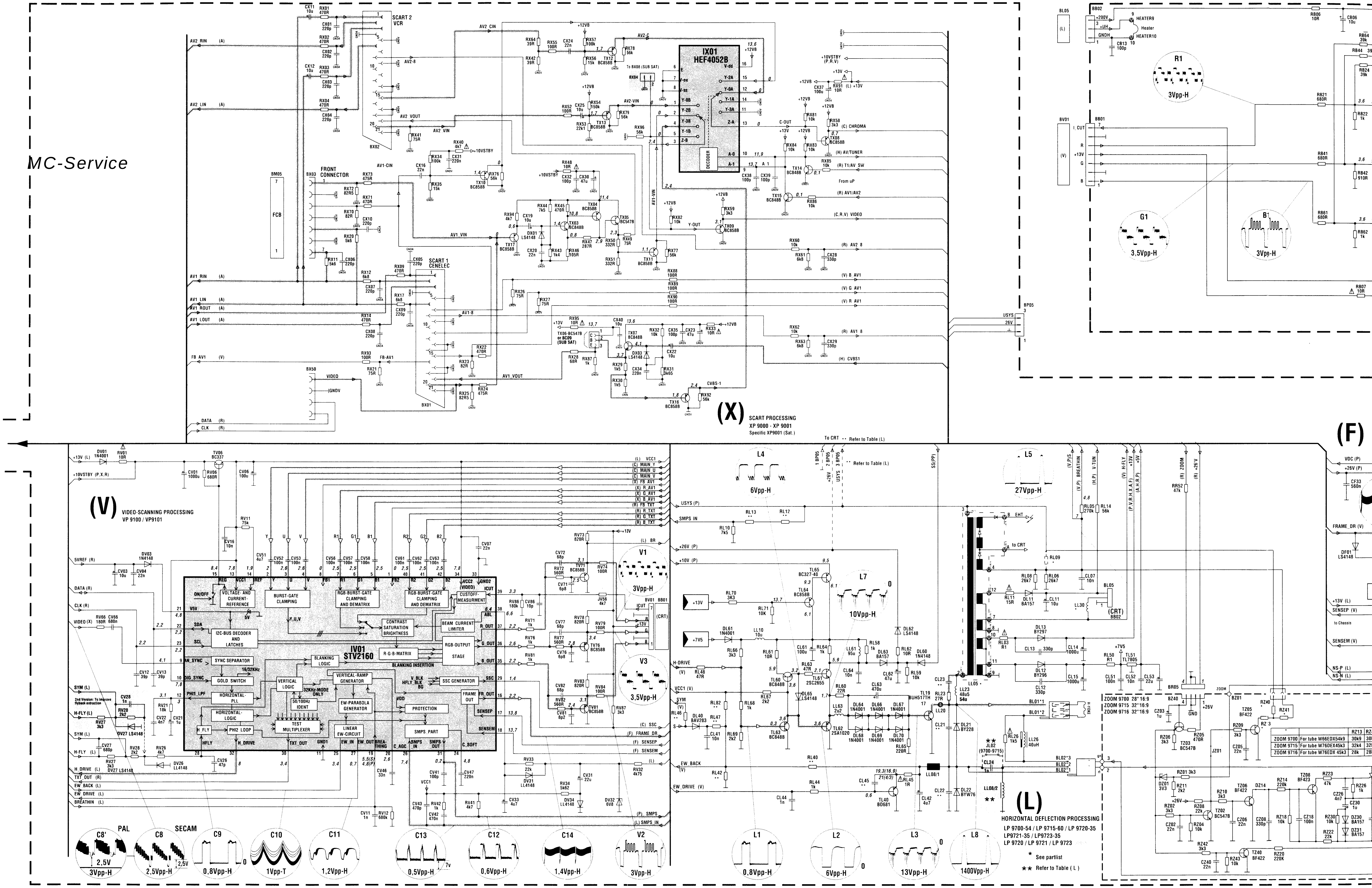
	IF2343	IF3342	IF3342	IF2332
HF / FI	HP9023	HP9033	HP9031 / HP9041	HP9011
CH12	-	-	0R	-
CH13	10p	10p	-	10p
CH14	180p	180p	330p	180p
JH52	-	-	-	+
JH55	-	-	+	-
LH03	4u7	4u7	12u	4u7
RH04	196R	196R	0R	316R
RH07	330R	330R	300R	330R
RH09	390R	390R	180R	330R
RH14	22k	22k	-	-
RH15	680R	680R	-	-
RH19	22k	22k	22k	-
TH03	BC858B	BC858B	-	-
TH04	BC848B	BC848B	BC858B	-
TH05	BC858B	BC858C	BC848B	-

LEGEND :

CVBS : Name of signal
(H) : Origin or destination

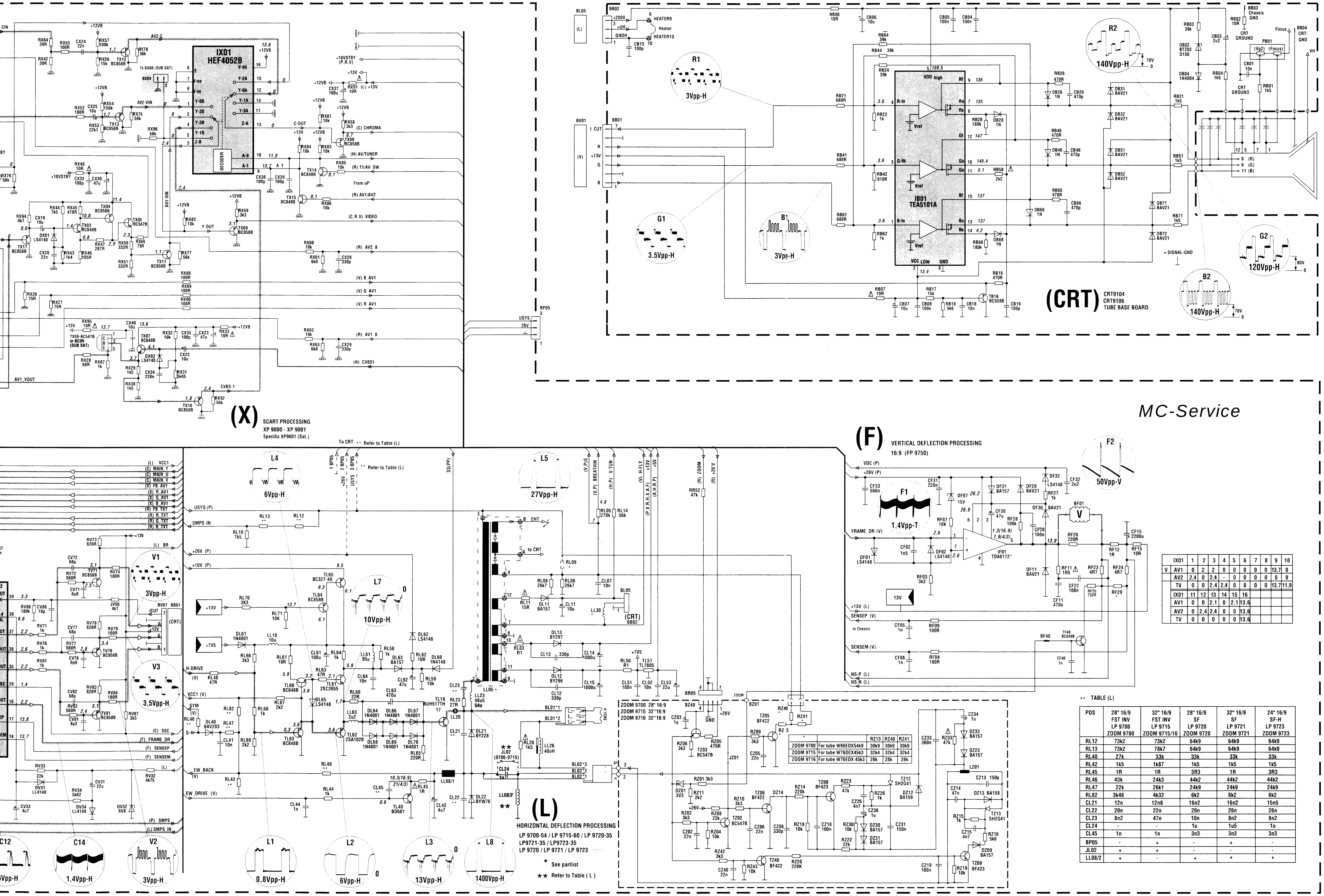
⚠ **Sicherheitsbauteil**
Bei Ersatz nur Originalteil verwenden
⚠ **Safety Part**
When repairing, use original part only
⚠ **Piece de securite**
N'utilisez que les pieces d'origine

MAIN SCHEMATIC DIAGRAM - SCHEMA PLATINE PRINCIPALE - SCHALTBILD CHASSIS GRUNDPLATTE - SCHEMA PIASTRA PRINCIPALE - ESQUEMA PLATINA PRINCIPAL (CHASSIS 16 / 9)


SCART 2 VCR
FRONT CONNECTOR
SCART 1 CENELEC
IX01
HEF4052B
DECODER
(X)
SCART PROCESSING
XP 9000 - XP 9001
Specific XP9001 (Sat.)
To CRT •• Refer to Table (L)
(V)
VIDEO-SCANNING PROCESSING
VP 9100 / VP9101
IV01
STV2160
VOLTAGE- AND CURRENT-REFERENCE
BURST-GATE CLAMPING
RGB-BURST-GATE CLAMPING AND DEMATRIX
CUSTOFF-MEASUREMENT
I2C-BUS DECODER AND LATCHES
CONTRAST SATURATION BRIGHTNESS
BEAM CURRENT LIMITER
R-G-B-MATRIX
RGB-OUTPUT STAGE
SYNC SEPARATOR
BLANKING LOGIC
BLANKING INSERTION
GOLD SWITCH
VERTICAL LOGIC
VERTICAL-RAMP GENERATOR
SSC GENERATOR
HORIZONTAL-PLL
50/100Hz IDENT
EW-PARABOLA GENERATOR
FRAME OUT
HORIZONTAL-LOGIC
PROTECTION
H FLY
PHI2 LOOP
TEST MULTIPLEXER
LINEAR EW-CIRCUIT
SMPS PART
2nd Version: To improve flyback extraction
C8' PAL 2,5V 3Vpp-H
C8 SECAM 2,5Vpp-H
C9 0,8Vpp-H
C10 1Vpp-T
C11 1,2Vpp-H
C13 0,5Vpp-H
C12 0,6Vpp-H
C14 1,4Vpp-H
V2 3Vpp-H
V1 3Vpp-H
V3 3,5Vpp-H
L4 6Vpp-H
L5 27Vpp-H
L7 10Vpp-H
L1 0,8Vpp-H
L2 6Vpp-H
L3 13Vpp-H
L8 1400Vpp-H
R1 3Vpp-H
G1 3,5Vpp-H
B1 3Vpp-H
(F)
(L)
HORIZONTAL DEFLECTION PROCESSING
LP 9700-54 / LP 9715-60 / LP 9720-35
LP9721-35 / LP9723-35
LP 9720 / LP 9721 / LP 9723
* See partlist
** Refer to Table (L)
ZOOM 9700 28" 16:9
ZOOM 9715 32''16:9
ZOOM 9716 32''16:9
ZOOM 9700 For tube W66EDX54k9 30k9
ZOOM 9715 For tube W76DEX45k3 32k4
ZOOM 9716 For tube W76EDX 45k3 28k
H-YOKE
(CRT)

ICC9
First issue 02 / 96

LTBILD CHASSIS GRUNDPLATTE - SCHEMA PIASTRA PRINCIPALE - ESQUEMA PLATINA PRINCIPAL (CHASSIS 16 / 9)


(X) SCART PROCESSING
XP 9000 - XP 9001
Specific XP9001 (Sat.)
IX01 HEF4052B
(CRT) CRT9104
CRT9106
TUBE BASE BOARD
IB01 TEA5101A
R1 3Vpp-H
R2 140Vpp-H
G1 3,5Vpp-H
B1 3Vpp-H
G2 120Vpp-H
B2 140Vpp-H
(F) VERTICAL DEFLECTION PROCESSING
16:9 (FP 9750)
F1 1,4Vpp-T
F2 50Vpp-V
IF01 TDA8172*
(L) HORIZONTAL DEFLECTION PROCESSING
LP 9700-54 / LP 9715-60 / LP 9720-35
LP9721-35 / LP9723-35
LP 9720 / LP 9721 / LP 9723
* See partlist
** Refer to Table (L)
To CRT ** Refer to Table (L)
L4 6Vpp-H
L5 27Vpp-H
L7 10Vpp-H
V1 3Vpp-H
V3 3,5Vpp-H
C14 1,4Vpp-H
V2 3Vpp-H
L1 0,8Vpp-H
L2 6Vpp-H
L3 13Vpp-H
L8 1400Vpp-H
ZOOM 9700 28" 16:9
ZOOM 9715 32"16:9
ZOOM 9716 32"16:9

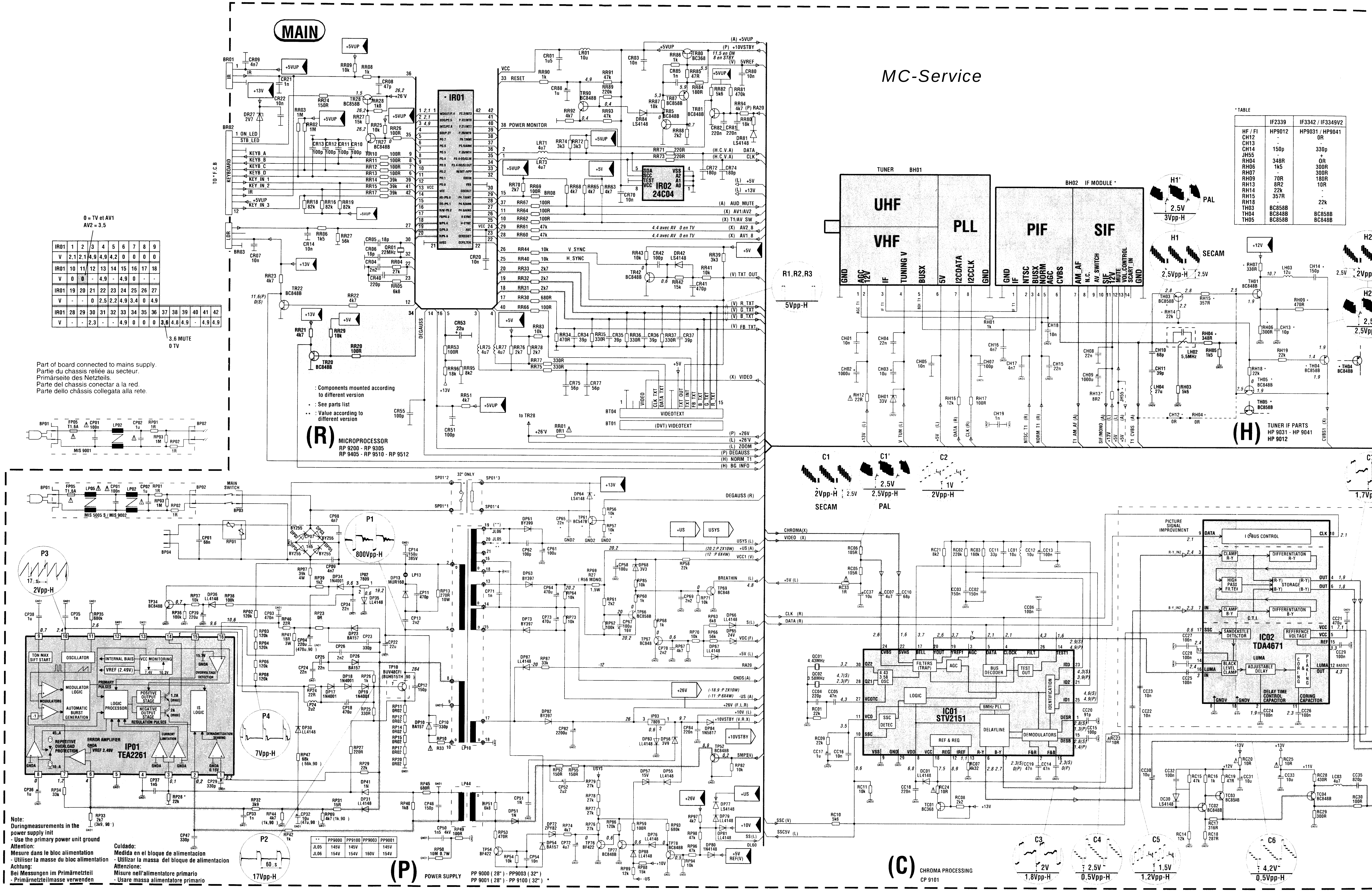
*		RZ13	RZ40	RZ41
ZOOM 9700	For tube W66EDX54k9	30k9	30k9	30k9
ZOOM 9715	For tube W76DEX45k3	32k4	32k4	32k4
ZOOM 9716	For tube W76EDX 45k3	28k	28k	28k

	IX01	1	2	3	4	5	6	7	8	9	10
V	AV1	0	2	2	0	0	0	0	0	13,7	0
	AV2	2,4	0	2,4	-	0	0	0	0	0	0
	TV	0	0	2,4	2,4	0	0	0	0	13,7	11,9
	IX01	11	12	13	14	15	16				
	AV1	0	0	2,1	0	2,1	13,6				
	AV2	0	2,4	2,4	0	0	13,6				
	TV	0	0	0	0	0	13,6				

** TABLE (L)

POS	28" 16/9 FST INV LP 9700 ZOOM 9700	32" 16/9 FST INV LP 9715 ZOOM 9715/16	28" 16/9 SF LP 9720 ZOOM 9720	32" 16/9 SF LP 9721 ZOOM 9721	24" 16/9 SF-H LP 9723 ZOOM 9723
RL12	73k2	73k2	64k9	64k9	64k9
RL13	73k2	78k7	64k9	64k9	64k9
RL40	27k	33k	33k	33k	33k
RL42	1k5	1k87	1k5	1k5	1k5
RL45	1R	1R	3R3	1R	3R3
RL46	43k	24k3	44k2	44k2	44k2
RL47	22k	26k1	24k9	24k9	24k9
RL82	3k48	4k32	6k2	6k2	6k2
CL21	12n	12n8	16n2	16n2	15n5
CL22	20n	22n	26n	26n	26n
CL23	8n2	47n	10n	8n2	8n2
CL24	-	-	1u	1u5	1u
CL45	1n	1n	3n3	3n3	3n3
BP05	-	+	-	+	-
JL02	+	+	-	-	-
LL08/2	+	-	+	+	+

MAIN SCHEMATIC DIAGRAM - SCHEMA PLATINE PRINCIPALE - SCHALTBILD CHASSIS GRUNDPLATTE - SCHEMA PIASTRA PRINCIPALE - ESQUEMA PLATINA PRINCIPAL (CHASSIS 4 / 3)


MAIN
IR01
IR02 24C04
(R) MICROPROCESSOR RP 9200 - RP 9305 RP 9405 - RP 9510 - RP 9512
: Components mounted according to different version
• : See parts list
•• : Value according to different version
(P) POWER SUPPLY PP 9000 (28") - PP9003 (32") PP 9001 (28") - PP 9100 (32") *
IP01 TEA2261
P1 800Vpp-H
P2 60 s 17Vpp-H
P3 17 s 2Vpp-H
P4 7Vpp-H
MAIN SWITCH
TUNER BH01
UHF
VHF
PLL
BH02 IF MODULE *
PIF
SIF
(H) TUNER IF PARTS HP 9031 - HP 9041 HP 9012
H1' 2,5V 3Vpp-H PAL
H1 2,5Vpp-H 2,5V SECAM
(C) CHROMA PROCESSING CP 9101
IC01 STV2151
IC02 TDA4671
C1 2Vpp-H 2,5V SECAM
C1' 2,5V 2,5Vpp-H PAL
C2 1V 2Vpp-H
C3 2V 1,8Vpp-H
C4 2,5V 0,5Vpp-H
C5 1,5V 1,2Vpp-H
C6 4,2V 0,5Vpp-H

0 = TV et AV1
AV2 = 3,5

IR01	1	2	3	4	5	6	7	8	9
V	2,1	2,1	4,9	4,9	4,2	0	0	0	0
IR01	10	11	12	13	14	15	16	17	18
V	0	0	-	4,9	-	4,9	0	-	-
IR01	19	20	21	22	23	24	25	26	27
V	-	-	0	2,5	2,2	4,9	3,4	0	4,9

IR01	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
V	-	-	2,3	-	-	4,9	0	0	0	3,6	4,8	4,9	-	4,9	4,9

3,6 MUTE
0 TV

Part of board connected to mains supply.
Partie du chassis reliée au secteur.
Primärseite des Netzteils.
Parte del chassis conectar a la red.
Parte dello châssis collegata alla rete.

**	PP9000	PP9100	PP9003	PP9001
JL05	145V	145V		145V
JL06	154V	154V	160V	154V

Note:
Duringmeasurements in the power supply init
- Use the primary power unit ground

Attention:
Mesure dans le bloc alimentation
- Utiliser la masse du bloc alimentation

Achtung:
Bei Messungen im Primärnetzteil
- Primärnetzteilmasse verwenden

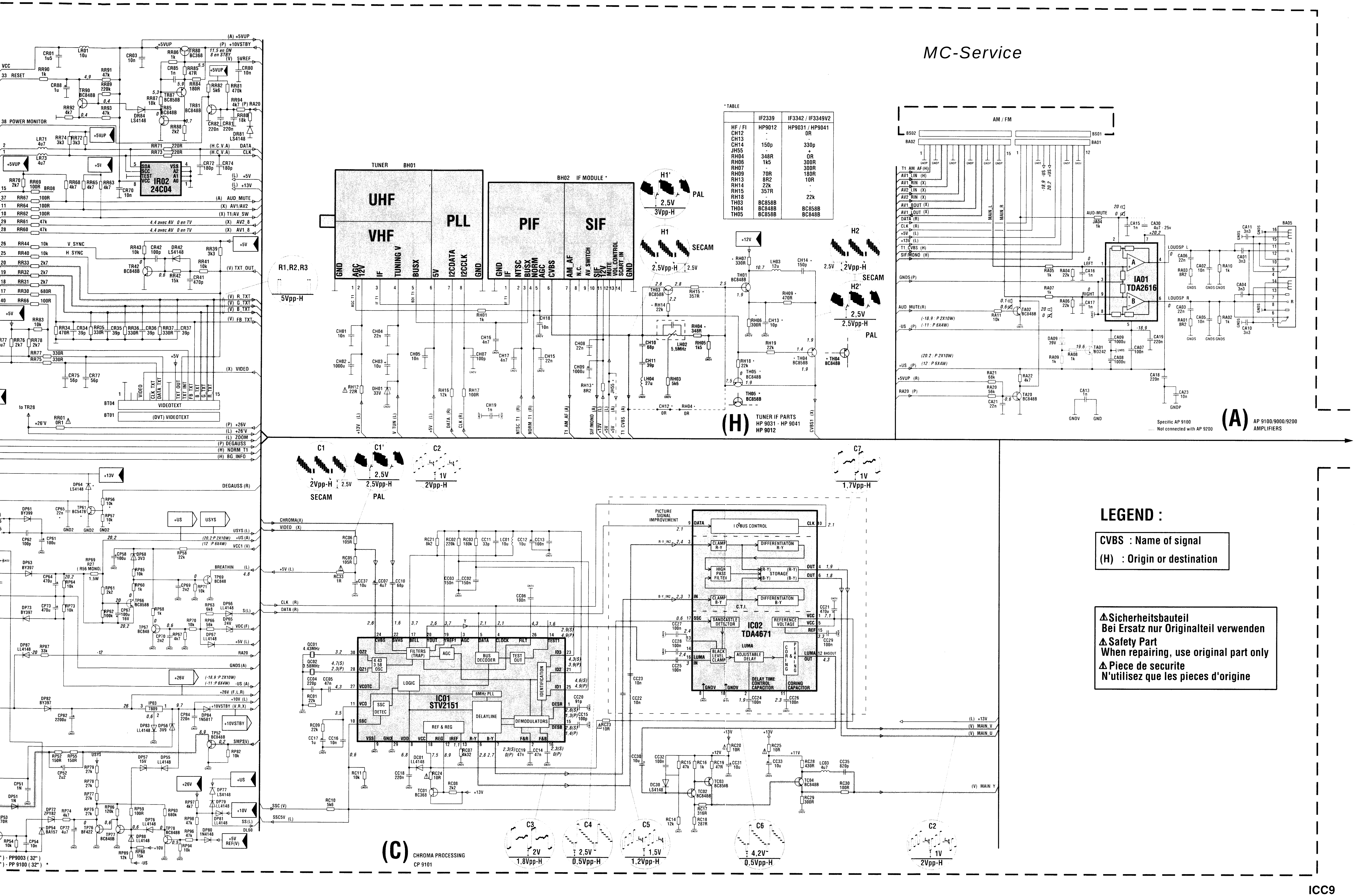
Culdado:
Medida en el bloque de alimentacion
- Utilizar la massa del bloque de alimentacion

Attenzione:
Misure nell'alimentatore primario
- Usare massa alimentatore primario

* TABLE

	IF2339	IF3342 / IF3349V2
HF / FI	HP9012	HP9031 / HP9041
CH12	-	0R
CH13	-	-
CH14	150p	330p
JH55	-	+
RH04	348R	0R
RH06	1k5	300R
RH07	-	300R
RH09	70R	180R
RH13	8R2	10R
RH14	22k	-
RH15	357R	-
RH18	-	22k
TH03	BC858B	-
TH04	BC848B	BC858B
TH05	BC858B	BC848B

BILD CHASSIS GRUNDPLATTE - SCHEMA PIASTRA PRINCIPALE - ESQUEMA PLATINA PRINCIPAL (CHASSIS 4 / 3)



MC-Service
IR02
24C04
TUNER BH01
UHF
VHF
PLL
BH02 IF MODULE *
PIF
SIF
H1'
2,5V
3Vpp-H
PAL
H1
2,5Vpp-H
SECAM
H2
2Vpp-H
H2'
2,5Vpp-H
R1,R2,R3
5Vpp-H
VIDEOTEXT
(DVT) VIDEOTEXT
(H)
TUNER IF PARTS
HP 9031 - HP 9041
HP 9012
AM / FM
IA01
TDA2616
(A)
AP 9100/9000/9200
AMPLIFIERS
Specific AP 9100
Not connected with AP 9200
C1
2Vpp-H
SECAM
C1'
2,5Vpp-H
PAL
C2
1V
2Vpp-H
C7
1,7Vpp-H
IC01
STV2151
IC02
TDA4671
PICTURE SIGNAL IMPROVEMENT
I²C BUS CONTROL
(C)
CHROMA PROCESSING
CP 9101
C3
1,8Vpp-H
C4
0,5Vpp-H
C5
1,2Vpp-H
C6
0,5Vpp-H
C2
2Vpp-H
PP9003 (32")
PP 9100 (32")

* TABLE

	IF2339	IF3342 / IF3349V2
HF / FI	HP9012	HP9031 / HP9041
CH12	-	0R
CH13	-	-
CH14	150p	330p
JH55	-	+
RH04	348R	0R
RH06	1k5	300R
RH07	-	300R
RH09	70R	180R
RH13	8R2	10R
RH14	22k	-
RH15	357R	-
RH18	-	22k
TH03	BC858B	-
TH04	BC848B	BC858B
TH05	BC858B	BC848B

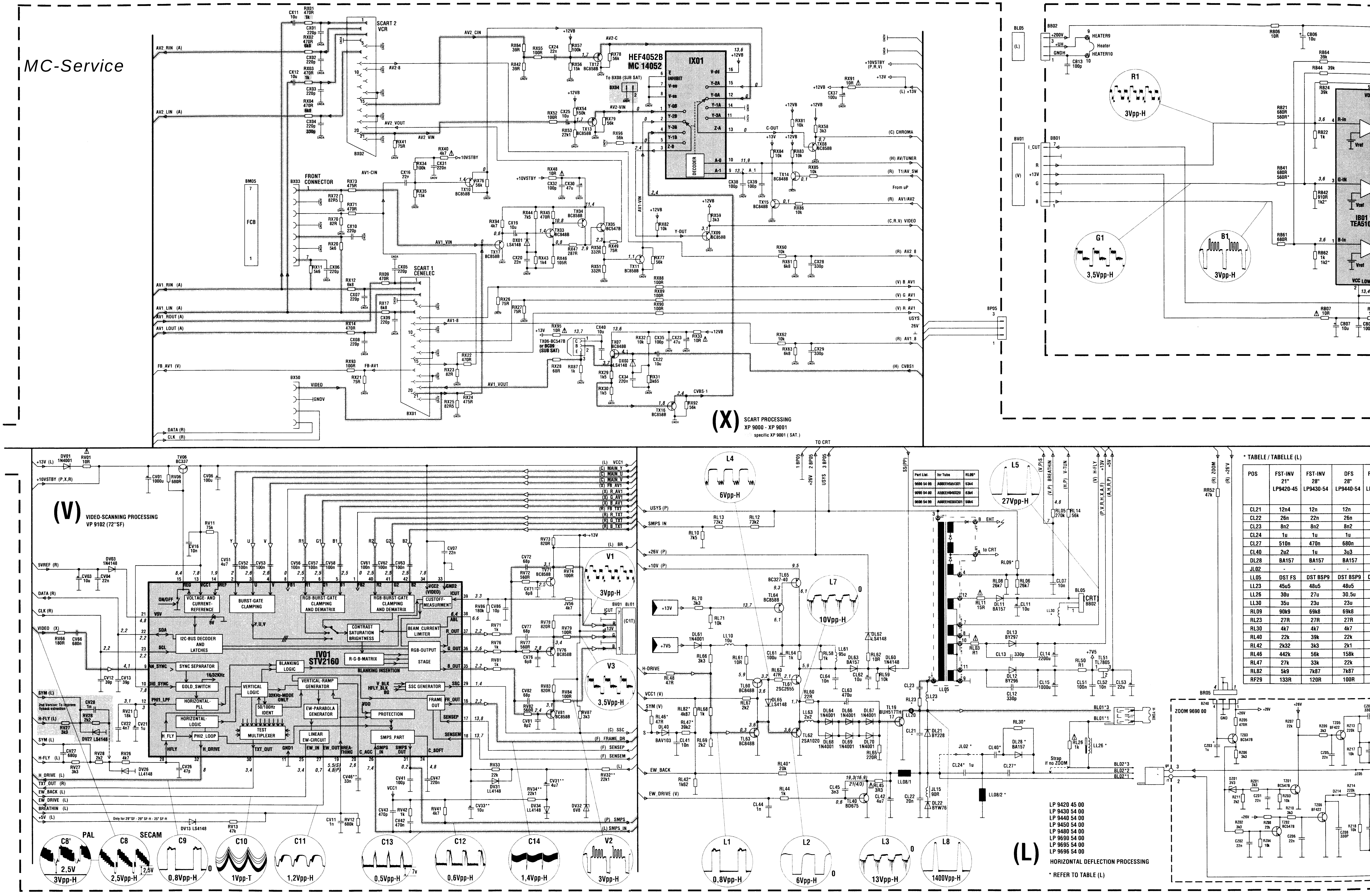
LEGEND :

CVBS : Name of signal

(H) : Origin or destination

⚠ Sicherheitsbauteil
Bei Ersatz nur Originalteil verwenden
⚠ Safety Part
When repairing, use original part only
⚠ Piece de securite
N'utilisez que les pieces d'origine

MAIN SCHEMATIC DIAGRAM - SCHEMA PLATINE PRINCIPALE - SCHALTBILD CHASSIS GRUNDPLATTE - SCHEMA PIASTRA PRINCIPALE - ESQUEMA PLATINA PRINCIPAL (CHASSIS 4/3)


(X)
SCART PROCESSING
XP 9000 - XP 9001
specific XP 9001 (SAT.)
SCART 2 VCR
SCART 1 CENELEC
FRONT CONNECTOR
HEF4052B
MC 14052
IX01
R1 3Vpp-H
G1 3,5Vpp-H
B1 3Vpp-H
IB01
(V)
VIDEO-SCANNING PROCESSING
VP 9102 (72"SF)
IV01
STV2160
V1 3Vpp-H
V3 3,5Vpp-H
V2 3Vpp-H
C8' PAL 3Vpp-H
C8 SECAM 2,5Vpp-H
C9 0,8Vpp-H
C10 1Vpp-T
C11 1,2Vpp-H
C13 0,5Vpp-H
C12 0,6Vpp-H
C14 1,4Vpp-H
L4 6Vpp-H
L5 27Vpp-H
L7 10Vpp-H
L1 0,8Vpp-H
L2 6Vpp-H
L3 13Vpp-H
L8 1400Vpp-H
TO CRT
ZOOM 9690 00
Strap if no ZOOM

Part List	for Tube	RL09*
9690 54 00	A68EEH58X301	63k4
9695 54 00	A59EEH048X20	63k4
9696 54 00	A68EEH038X301	60k4

(L)

LP 9420 45 00
LP 9430 54 00
LP 9440 54 00
LP 9450 54 00
LP 9480 54 00
LP 9690 54 00
LP 9695 54 00
LP 9696 54 00

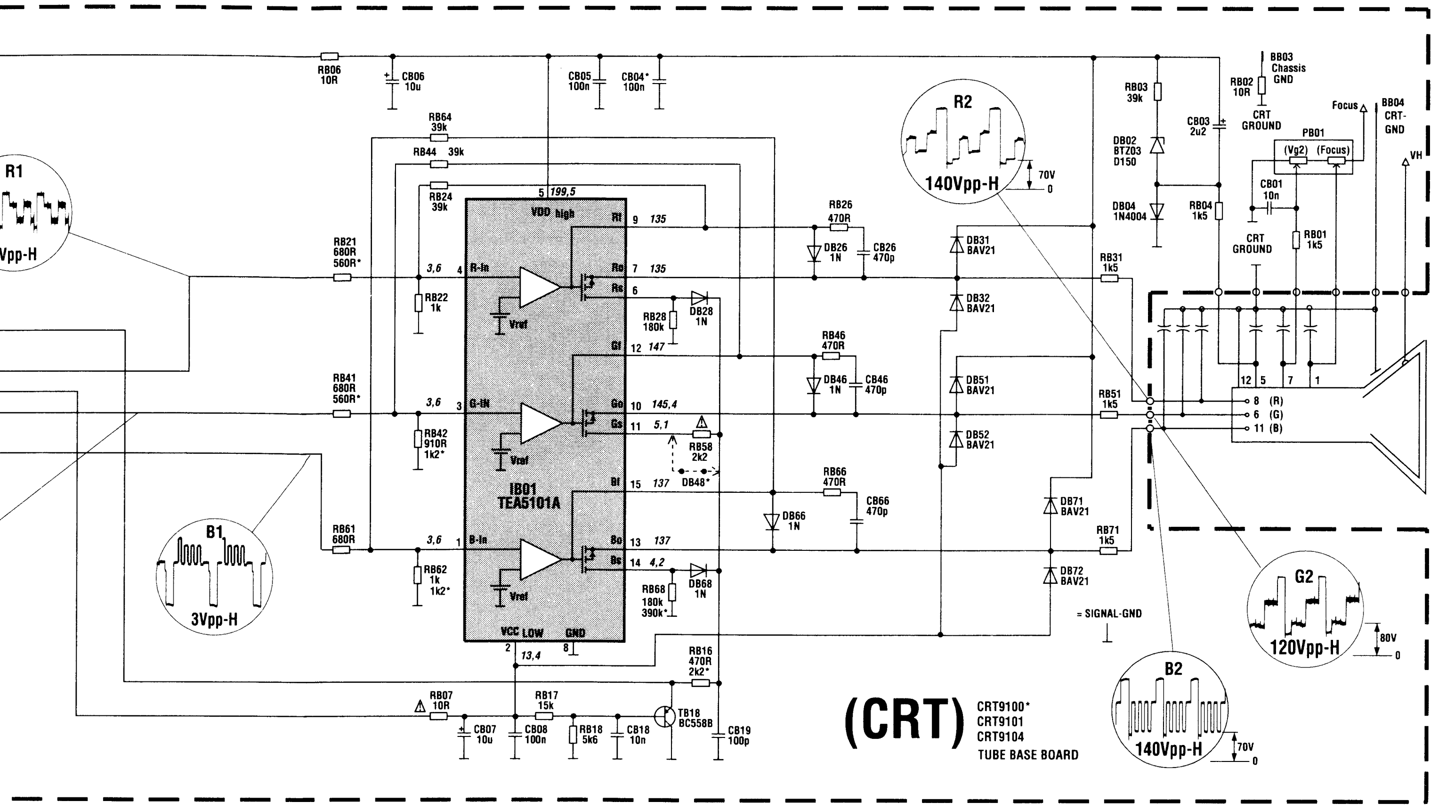
HORIZONTAL DEFLECTION PROCESSING

* REFER TO TABLE (L)

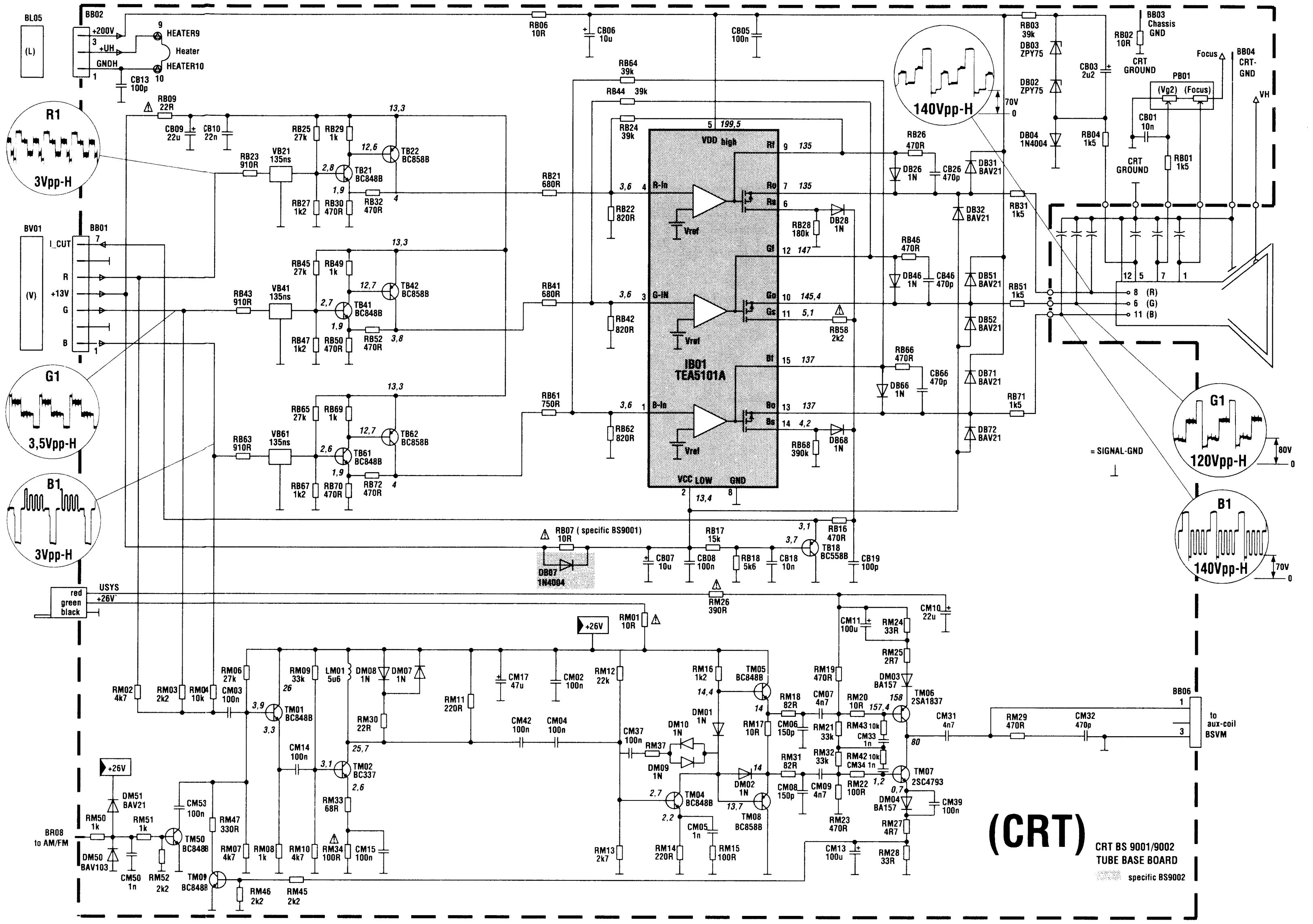
* TABELE / TABELLE (L)

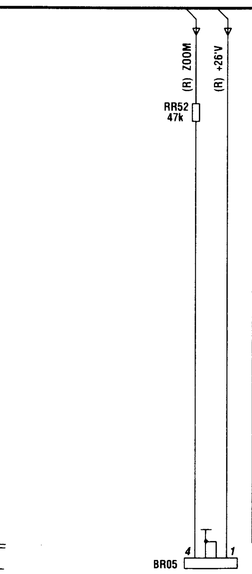
POS	FST-INV 21" LP9420-45	FST-INV 28" LP9430-54	DFS 28" LP9440-54
CL21	12n4	12n	12n
CL22	26n	22n	26n
CL23	8n2	8n2	8n2
CL24	1u	1u	1u
CL27	510n	470n	680n
CL40	2u2	1u	3u3
DL28	BA157	BA157	BA157
JL02	-	-	-
LL05	DST FS	DST BSP9	DST BSP9
LL23	45u5	48u5	48u5
LL26	30u	27u	30,5u
LL30	35u	23u	23u
RL09	90k9	69k8	69k8
RL23	27R	27R	27R
RL30	4k7	4k7	4k7
RL40	22k	39k	22k
RL42	2k32	3k3	2k1
RL46	442k	56k	158k
RL47	27k	33k	22k
RL82	5k9	7k87	7k87
RF29	133R	120R	100R

INCIPAL (CHASSIS 4/3)


R1
3Vpp-H
R2
140Vpp-H
70V
B1
3Vpp-H
G2
120Vpp-H
80V
B2
140Vpp-H
70V
IB01
TEA5101A
VDD high
VCC LOW
GND
Vref
R-In
G-IN
B-In
TB18
BC558B
(CRT)
CRT9100*
CRT9101
CRT9104
TUBE BASE BOARD
= SIGNAL-GND
CRT GROUND
Focus
(Vg2)
(Focus)
VH
BB03 Chassis GND
BB04 CRT-GND

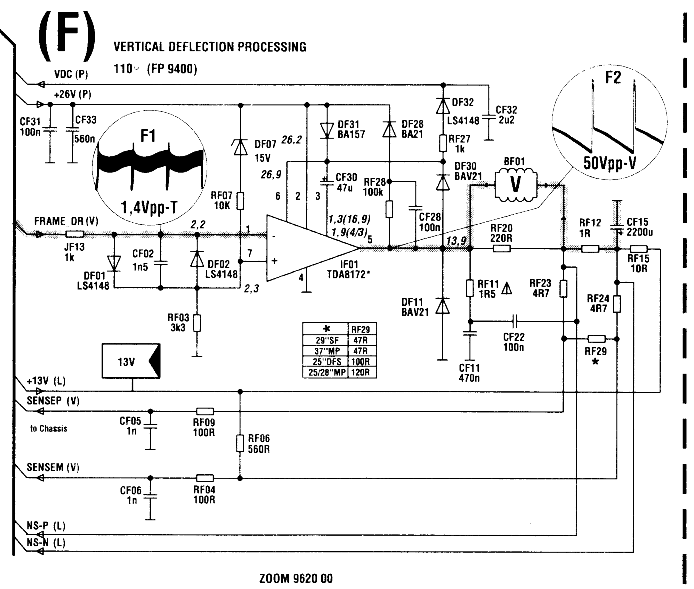
CRT BS9001 / CRT BS9002


BL05
(L)
BB02
+200V
+UH
GNDH
HEATER9
Heater
HEATER10
BV01
(V)
BB01
I_CUT
+13V
R1
3Vpp-H
G1
3,5Vpp-H
B1
3Vpp-H
140Vpp-H
70V
G1
120Vpp-H
80V
B1
140Vpp-H
70V
IB01
TEA5101A
VDD high
VCC LOW
GND
RB07 (specific BS9001)
DB07
1N4004
red
green
black
USYS
+26V
BR08
to AM/FM
BB06
to aux-coil
BSVM
= SIGNAL-GND
(CRT)
CRT BS 9001/9002
TUBE BASE BOARD
specific BS9002

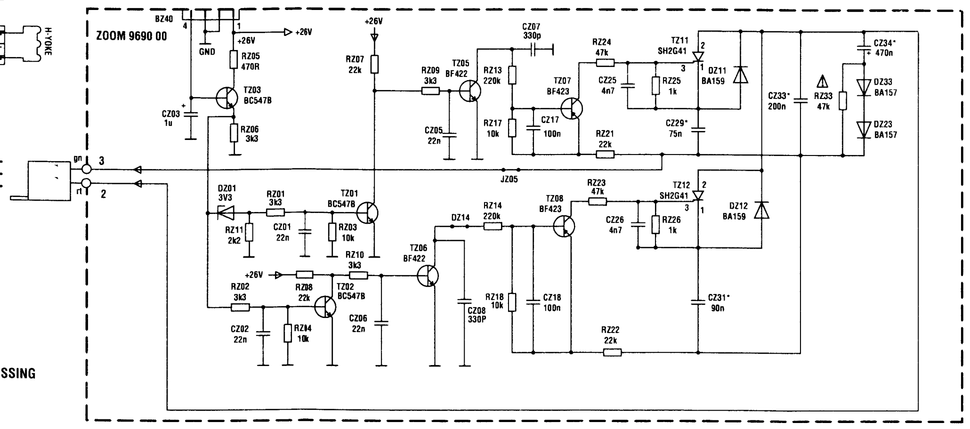

(R) ZOOM
(R) +26V
RR52
47k
BR05

* TABELE / TABELLE (L)

POS	FST-INV 21" LP9420-45	FST-INV 28" LP9430-54	DFS 28" LP9440-54	FST / MP 33" LP9480-54	SF-H 25" LP9695-54 ZOOM 9690	SF-H 29" LP9696-54 ZOOM 9690
CL21	12n4	12n	12n	12n	13n1	13n1
CL22	26n	22n	26n	26n	20n	20n
CL23	8n2	8n2	8n2	8n2	3n3	3n3
CL24	1u	1u	1u	-	-	-
CL27	510n	470n	680n	360n	-	-
CL40	2u2	1u	3u3	1u	2u2	2u2
DL28	BA157	BA157	BA157	BA157	-	-
JL02	-	-	-	+	+	+
LL05	DST FS	DST BSP9	DST BSP9	DST BSP9	DST C89 SF	DST C89 SF
LL23	45u5	48u5	48u5	48u5	24u	24u
LL26	30u	27u	30,5u	30u	27u	27u
LL30	35u	23u	23u	23u	35u	35u
RL09	90k9	69k8	69k8	64k9	61k9	60k4
RL23	27R	27R	27R	27R	120R	120R
RL30	4k7	4k7	4k7	18k	-	-
RL40	22k	39k	22k	47k	18k2	16k2
RL42	2k32	3k3	2k1	3k6	1k5	1k62
RL46	442k	56k	158k	68k	33k	33k
RL47	27k	33k	22k	56k	39k2	39k2
RL82	5k9	7k87	7k87	7k5	4k64	5k36
RF29	133R	120R	100R	82R	47R	47R


(F)
VERTICAL DEFLECTION PROCESSING
110° (FP 9400)
VDC (P)
+26V (P)
F1
1,4Vpp-T
F2
50Vpp-V
FRAME_DR (V)
IF01
TDA8172*
BF01
V
13V
+13V (L)
SENSEP (V)
to Chassis
SENSEM (V)
NS-P (L)
NS-N (L)

*	RF29
29"SF	47R
37"MP	47R
25"DFS	100R
25/28"MP	120R


BZ40
ZOOM 9690 00
+26V
GND
TZ03
BC547B
TZ05
BF422
TZ07
BF423
TZ11
SH2G41
TZ12
SH2G41
TZ01
BC547B
TZ08
BF423
TZ06
BF422
TZ02
BC547B
JZ05
SSING

ZOOM 9620 00
ZOOM 9650 00
ZOOM 9640 00
ZOOM 9680 00
ZOOM 9690 00

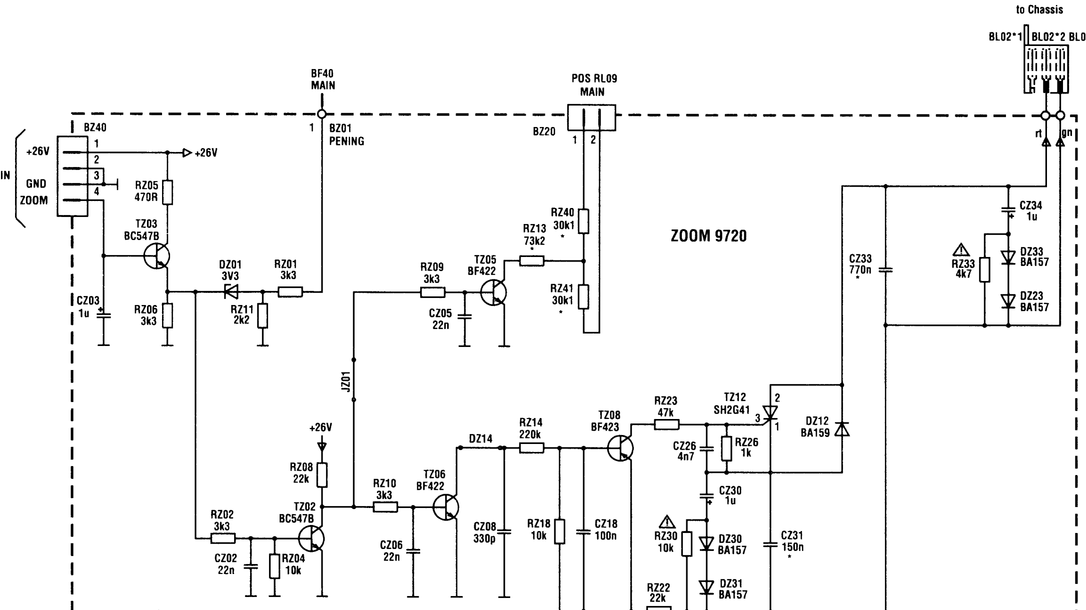
		CZ29	CZ31	CZ33	CZ34
ZOOM 9620	for tube A51ECN	90n	180n	240n	1u
ZOOM 9640	for tube A59EAS; A66EAS	220n	180n	290n	1u
ZOOM 9650	for tube A59ECY; A66ECY A59EDN; A66EDN	90n	150n	240n	1u
ZOOM 9680	for tube A79ECU	47n	120n	200n	470n
ZOOM 9690	for tube A68EEH; A59EEH	75n	90n	200n	470n

*

	IX01	1	2	3	4	5	6	7	8	9	10
V	AV1	0	2	2	0	0	0	0	0	13,7	0
	AV2	2,4	0	2,4	-	0	0	0	0	0	0
	TV	0	0	2,4	2,4	0	0	0	0	13,7	11,9
	IX01	11	12	13	14	15	16				
	AV1	0	0	2,1	0	2,1	13,6				
	AV2	0	2,4	2,4	0	0	13,6				
	TV	0	0	0	0	0	13,6				

MC-Service

ZOOM 9720 / ZOOM 9721 / ZOOM 9722 / ZOOM 9723


to Chassis
BL02*1
BL02*2
BL02*3
BF40
MAIN
POS RL09
MAIN
BZ40
+26V
MAIN
GND
ZOOM
BZ01
PENING
BZ20
ZOOM 9720
TZ03
BC547B
TZ05
BF422
TZ08
BF423
TZ12
SH2G41
TZ06
BF422
TZ02
BC547B
JZ01

⚠ Sicherheitsbauteil
Bei Ersatz nur Originalteil verwenden
⚠ Safety Part
When repairing, use original part only
⚠ Piece de securite
N'utilisez que les pieces d'origine

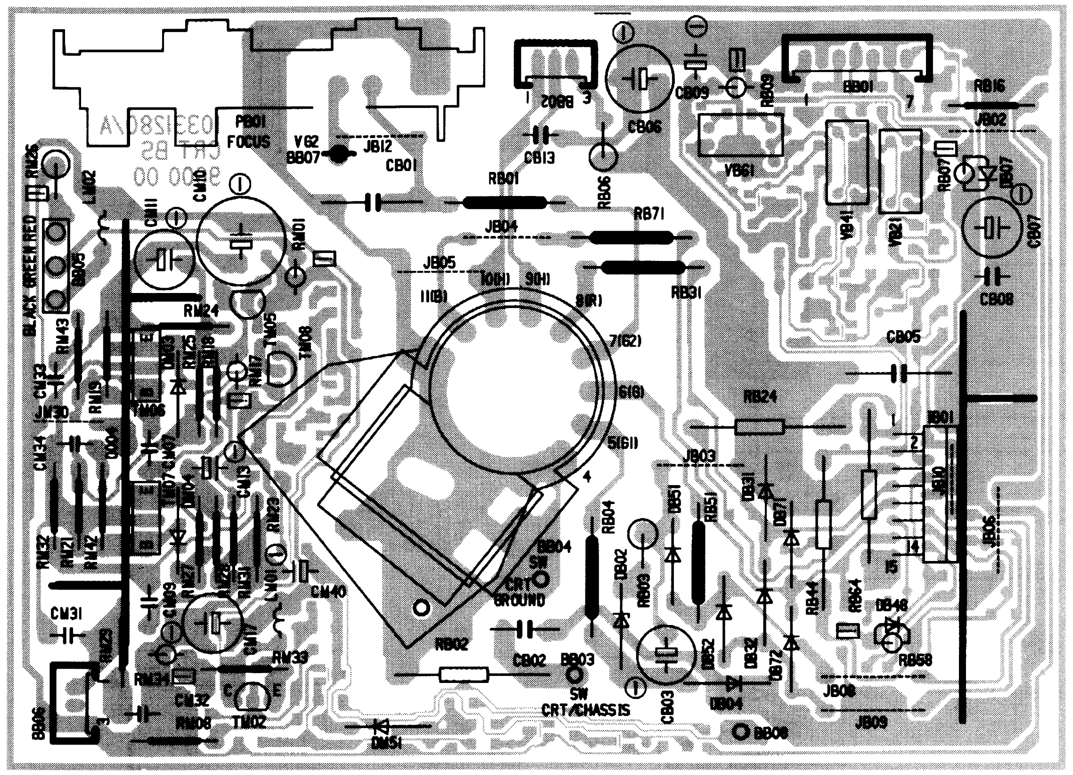
*		CZ33	CZ31	RZ40+41	RZ13
ZOOM 9721	for tube W76 EGV	600n	180n	25k5	68k
ZOOM 9722	for tube W66 EGV	770n	150n	25k5	68k
ZOOM 9723	for tube W56 EGV	770n	150n	28k0	28k0

VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO

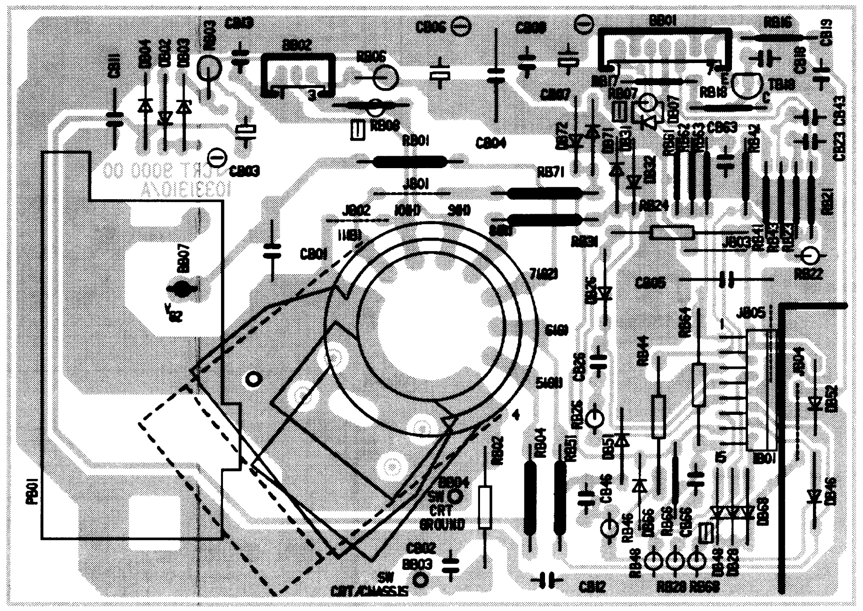
CRT BS 9001 / BS 9002

CRT 9100 / 9101 / 9104 / 9106

COMPONENT SIDE - CÖTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES

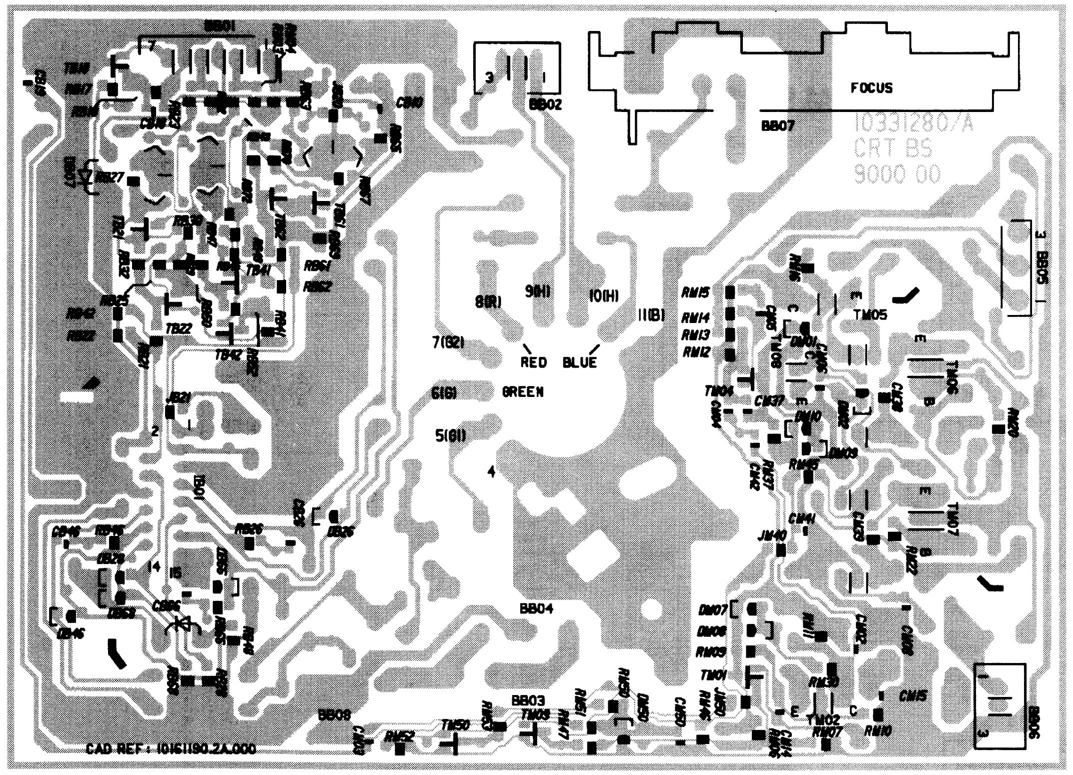


FOCUS
VG2
CRT GROUND
CRT/CHASSIS
10331280/A
CRT BS
9000 00

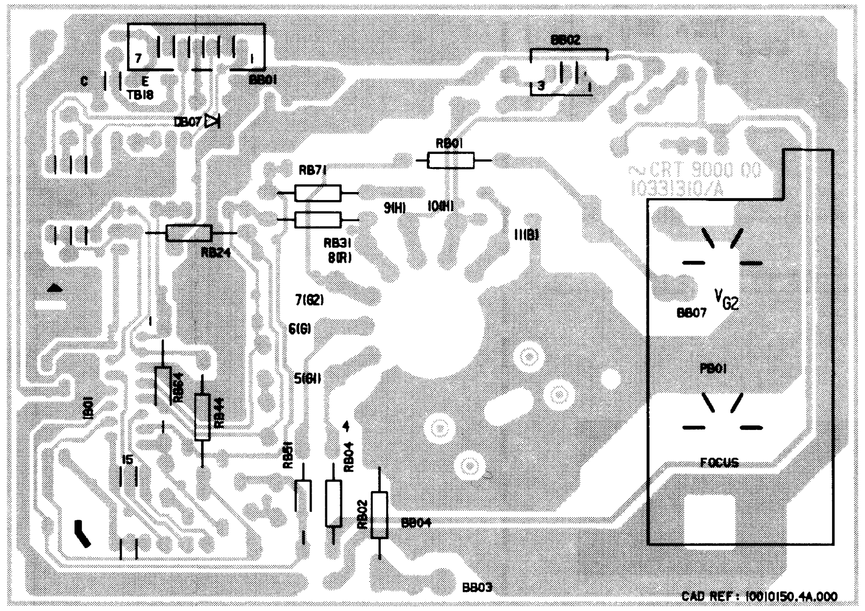


CRT GROUND
CRT/CHASSIS
CRT 9000 00
10331310/A

SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



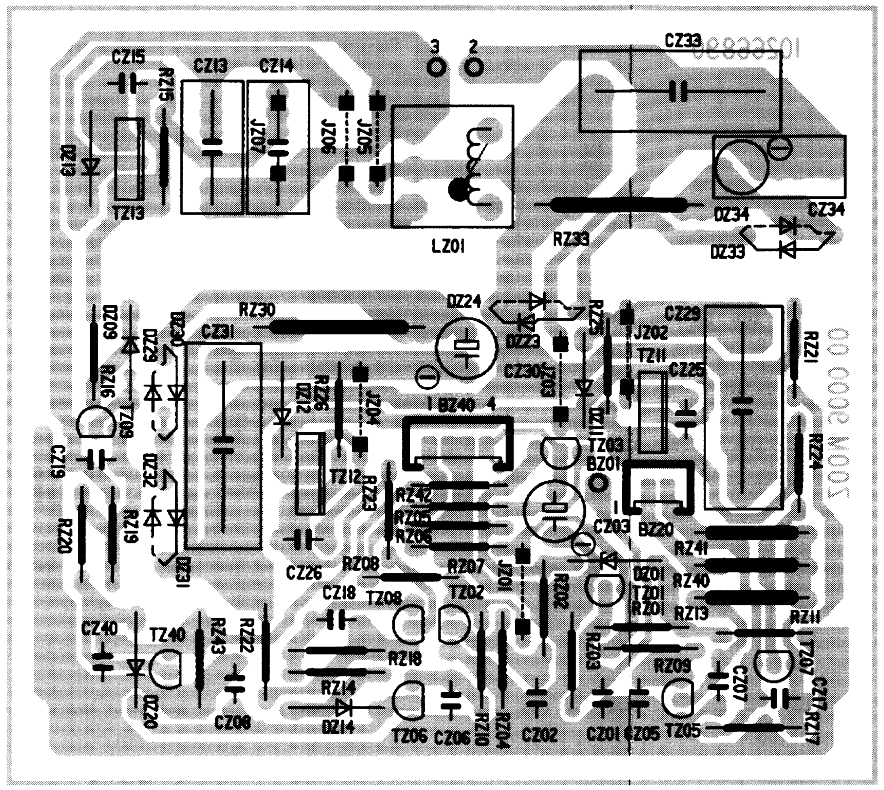
FOCUS
10331280/A
CRT BS
9000 00
RED
BLUE
GREEN
CAD REF : 10161190.2A.000



CRT 9000 00
10331310/A
VG2
FOCUS
CAD REF : 10010150.4A.000

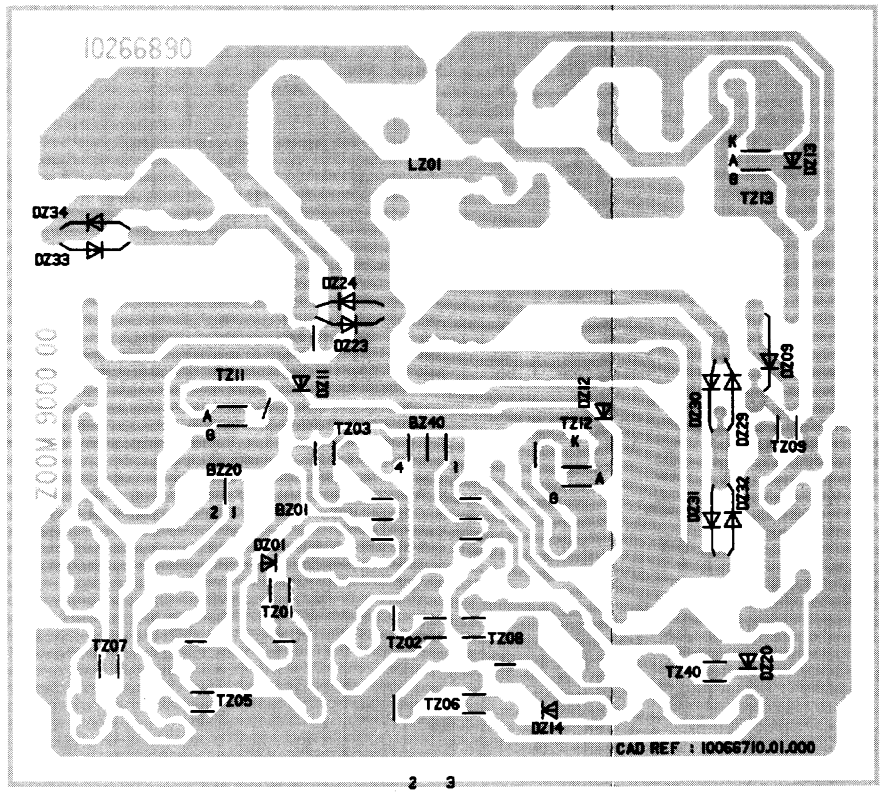
ZOOM 9620 / 9690 / 9700 / 9715

COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES



LZ01
ZOOM 9000 00

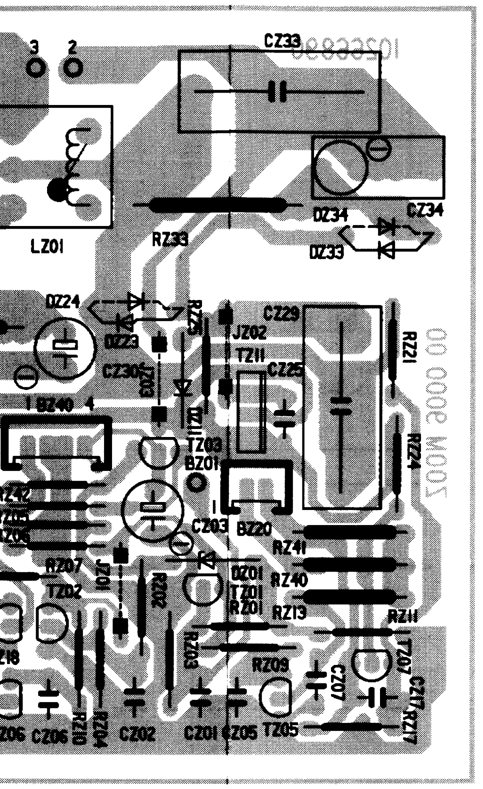
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE
LATO SALDATURE - LADO SOLDADURAS



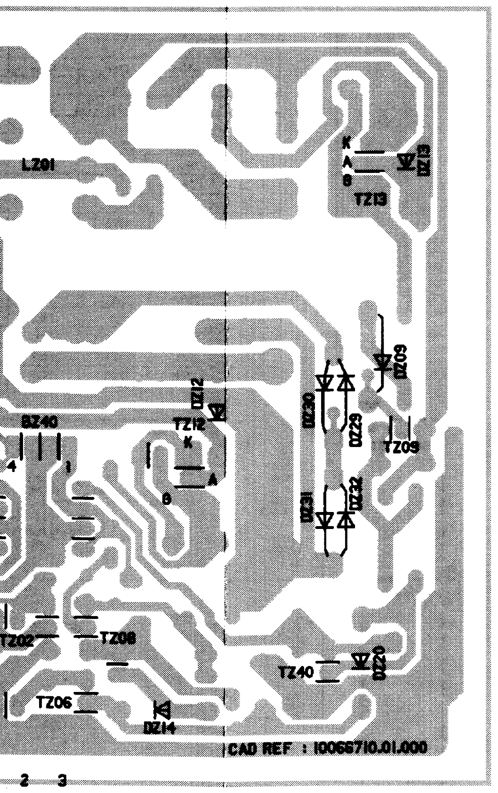
10266890
LZ01
ZOOM 9000 00
CAD REF : 10066710.01.000

20 / 9690 / 9700 / 9715

E COMPOSANTS - BESTÜCKUNGSSEITE
ENTI - LADO COMPONENTES



CÔTE SOUDURES - LÖTSEITE
URE - LADO SOLDADURAS



COMPONENT LOCATION - LOCALISATION DES ELEMENTS - BAUTEILE POSITIONEN - LOCALIZZAZIONE DEGLI ELEMENTI - LOCALIZACION DE LOS COMPONENTES

* SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE

1 2 3

BA01	B4
BA01*	B4
BA02	B7
BA02*	B7
BA03	A0
BA03*	A0
BA05	B9
BA05*	B9
BF01	L8
BF01*	L8
BF03	L8
BF40	K8
BH01	D6
BH02	C6
BL01	P7
BL01*	P7
BL02	L8
BL02*	M8
BL03*	L7
BL05	L4
BL05*	L4
BP01	M1
BP02	N2
BP03	J0
BP03*	J0
BP04	J1
BP04*	J1
BP05	P4
BR01	D0
BR01*	DO
BR02	B1
BR02*	B2
BR03	F0
BR03*	F0
BR05	F1
BR05*	F1
BR08	F2
BT04	E3
BT04*	E3
BV01	H3
BV01*	H3
BV02	G3
BV02*	G3
BV03	G3
BV28*	K4
BX01	H9
BX01*	J9
BX02	E9
BX02*	E9
BX03	H7
BX03*	H7
BX04	F6
BX04*	F6
BX50	K9

CA01*	C9
CA02*	B9
CA03	A5
CA04*	B9
CA05*	B9
CA06	A6
CA07	A5
CA08	A7
CA09	A8
CA10*	B8
CA11*	C8
CA13*	C8
CA14*	B7
CA15*	B6
CA16*	A6
CA17*	A5
CA18*	B5
CA19*	A6
CA20	A4
CA21*	A2
CA23*	A4
CA30*	A6
CC02*	F3
CC03*	E3
CC04*	E4
CC05*	E4
CC06*	E4
CC07	F4
CC10*	F4
CC11	F4
CC12	F3
CC13*	F4
CC14*	G4
CC15*	F4
CC16*	F5
CC17	F5
CC18*	E5
CC19*	E4
CC20*	E4
CC21	F6

CC22*	F6
CC23*	F6
CC24*	F5
CC25*	G5
CC25*	G5
CC26*	G5
CC27*	F5
CC28*	F5
CC29*	F5
CC30	G5
CC31	H6
CC32*	H6
CC33	F3
CC35*	G4
CC37	E4
CF01*	L7
CF02*	L9
CF05*	J5
CF06*	J5
CF09*	K5
CF11	K9
CF15	K7
CF22	K8
CF28	L8
CF30	K8
CF31*	M9
CF32	K8
CF33	M9
CH01*	D6
CH02	E6
CH03	D5
CH04*	D5
CH05*	D4
CH06*	D4
CH07*	D4
CH08*	C4
CH09	D4
CH10*	D6
CH11*	D6
CH12*	D7
CH13*	D8
CH14*	D7
CH15*	B6
CH15*	B6
CH16*	C6
CH17*	C7
CH18*	C6
CL07	L8
CL11	L5
CL12	K5
CL13	L6
CL14	K7
CL15	L7
CL21	Q7
CL22	R8
CL23	P6
CL24	Q8
CL25	P8
CL27	N9
CL40	M8
CL41*	J4
CL42	M9
CL44*	J5
CL45	N9
CL51*	G1
CL52*	G2
CL53	G2
CL61	P6
CL62	Q5
CL63	R5
CL64	Q5
CL65	P5
CP01	J1
CP03*	M1
CP04	M2
CP07	K0
CP08	K0
CP09	L0
CP10	N2
CP11	N1
CP12	P1
CP13	N0
CP14	Q1
CP14*	Q1
CP18	M0
CP22	M2
CP23*	P2
CP24	P2
CP25	P1
CP26	N1
CP28	L4
CP29*	M2
CP32	K2
CP33*	L2
CP34*	M2
CP35*	M2
CP36	L2
CP37*	L1
CP38	M2
CP39	N2
CP46*	K1

CP47*	L1
CP50	L3
CP51	J3
CP52	K3
CP54	K2
CP54*	K2
CP58	F2
CP61	Q4
CP61*	Q4
CP62	R4
CP64	L4
CP65*	G1
CP67	A1
CP70*	G2
CP71	P4
CP72	M5
CP73	L3
CP82	P4
CP82*	P4
CP84*	N4
CR01*	D1
CR03*	E2
CR04*	F1
CR05*	D1
CR06*	D1
CR07*	E0
CR08*	D1
CR09*	D0
CR10*	D1
CR11*	C1
CR12*	C1
CR13*	C2
CR14*	F0
CR20*	E1
CR20*	E1
CR21*	D0
CR22*	B4
CR27*	D1
CR34*	E2
CR35*	E2
CR36*	E2
CR37*	F2
CR40*	E1
CR41*	F2
CR42*	F1
CR51*	E1
CR55*	D1
CR58	B2
CR59	B3
CR70*	C2
CR71*	D2
CR72*	D5
CR73*	C2
CR74*	D4
CR75*	E3
CR77*	E3
CR80*	D3
CR81*	B0
CR82*	B0
CR85*	B1
CR88	E0
CR98	B4
CV01	H7
CV03	H6
CV04*	H6
CV06	J5
CV07*	H5
CV11*	J5
CV12*	J5
CV13*	K5
CV16*	J5
CV17*	J5
CV21	J6
CV22	J5
CV26*	J5
CV31	F3
CV33	G3
CV41*	J5
CV42*	J4
CV43*	J4
CV46*	J5
CV47*	J5
CV51	G5
CV52*	H6
CV53*	H6
CV56*	H5
CV57*	H5
CV58*	H5
CV61*	H4
CV62*	G4
CV63*	G4
CV66*	H5
CV71*	H4
CV72*	H4
CV76£	H4
CV77*	H4
CV81*	H3
CV82*	H4
CV86*	H5
CX01*	D9
CX02*	D8

CX03*	E9
CX04*	E8
CX05*	G9
CX06*	H8
CX07*	G8
CX08*	H9
CX09*	H8
CX10*	H8
CX11	E8
CX12	E8
CX16*	H8
CX19	H7
CX19*	D9
CX20*	H7
CX22	E8
CX23	E7
CX24*	F8
CX25	F8
CX28*	E9
CX29*	H9
CX30	G6
CX31*	G7
CX32*	G6
CX34*	E8
CX35*	E8
CX37	G6
CX38*	E7
CX39*	C5
CX40	J8
CX40*	K9
CX41*	C5

DA09	A4
DC01*	F4
DC30*	H5
DF01*	L9
DF02*	L9
DF07	L8
DF11	K8
DF28	L8
DF30	K8
DF31	L9
DF32*	K8
DH01	D5
DH05	D5
DL11	L5
DL12	L6
DL13	K6
DL21	Q7
DL22	R9
DL25	P8
DL26	P8
DL27	N8
DL28	N8
DL40*	J4
DL60	N5
DL61	K3
DL62*	N5
DL63	P5
DL64	R6
DL65*	Q5
DL66	Q6
DL67	R6
DL68	R6
DL69	Q6
DL70	R6
DP02	K0
DP03	K0
DP04	K0
DP05	L1
DP10	N2
DP13	N1
DP17	M1
DP18	M1
DP19	M1
DP23	P2
DP26	P1
DP30*	K2
DP31*	L1
DP34	M2
DP35*	M2
DP36*	P2
DP41	K1
DP51	K3
DP55*	N4
DP56	J2
DP57	M4
DP61	R4
DP63	M3
DP64*	G1
DP65	K8
DP66*	N7
DP67*	G2
DP68	G1
DP72	L3

DP73	N3
DP76*	M4
DP77*	N4
DP79*	N4
DP80	K6
DP81*	N5
DP82	Q4
DP83*	N4
DP84	N4
DP87*	P3
DP88*	M4
DR27	C0
DR42*	F2
DR81*	G0
DR84*	B1
DV01	K6
DV03	J6
DV13*	G2
DV26*	L3
DV27*	K4
DV31*	G3
DV34*	F3
DX01*	H7
DX03*	E8
DX04	E6
DX05*	D3

IA01	A6
IA01*	A6
IC01	F4
IC02	F5
IC05*	E5
IF01	L9
IF01*	L9
IP01	L2
IP01*	M1
IP02	M2
IP02*	N2
IP03	N4
IP03*	N4
IR01	D1
IR02	C2
IR02*	B2
IV01	H5
IX01	F7
IX01*	E7
IX08	F7

JA01	A8
JA02	A7
JA03	A7
JA04	B6
JA05	A5
JA06	A3
JA07	A3
JA08	B4
JA09	B4
JA10	A5
JA11	B3
JA12	A3
JA13	A8
JA51*	C9
JA52*	C9
JA53*	C9
JA55*	A7
JA56*	C8
JC01	G4
JC02	G6
JC04	G6
JC05	E5
JC06	E3
JC08	F3
JC53*	E5
JC54*	E5
JC55*	F5
JC58*	F5
JC60*	G6
JC61*	G5
JF10*	J7
JF11	L8
JF13	L7
JH01	C8
JH02	C6
JH03	C5
JH04	B7
JH05	B5
JH06	C4
JH07	D5
JH08	D5
JH09	D4
JH10	E3
JH11	K6

JH12	J7
JH13	E6
JH15	D4
JH16	D3
JH51*	B6
JH52*	D7
JH53*	B6
JH54*	C4
JH55*	C4
JH56*	D5
JH57*	D5
JH58*	D5
JH59*	E7
JH60*	C7
JL01	R8
JL02	Q8
JL03	N8
JL04	P7
JL05	R4
JL06	Q4
JL12	N7
JL13	N5
JL14	Q8
JL15	Q8
JL18	M6
JL21	N6
JL22	N6
JL23	N6
JL24	K6
JL25	K6
JL26	K7
JL27	M5
JL28	N6
JL30	K5
JL31	N5
JL50*	M7
JL51*	P5
JL52*	M7
JL58*	P5
JL62*	N7
JL65*	M9
JP01	N0
JP02	J0
JP03	J0
JP04	K4
JP05	J3
JP06	M5
JP07	K1
JP08	J1
JP09	M1
JP10	J6
JP11	L6
JP13	N5
JP14	P5
JP15	N6
JP16	K3
JP17	N5
JP18	K3
JP19	K3
JP20	H2
JP21	N5
JP22	G1
JP23	H2
JP26	M3
JP51*	J3
JP52*	N7
JP53*	K3
JP54*	F1
JP60*	E1
JR01	C3
JR02	C3
JR05	E2
JR06	F2
JR07	C1
JR08	B0
JR09	E2
JR10	E2
JR13	G2
JR14	G0
JR15	D3
JR18	G1
JR51*	D3
JR52*	D4
JR53*	C0
JR54*	E0
JR55*	F1
JR56*	C1
JR57*	E1
JR58*	B0
JR59*	C2
JR62*	B3
JR63*	B3
JR64*	E5
JR65*	D3
JR66*	D2
JV01	H6
JV02	F3
JV03	H3
JV05	J3
JV06	K4
JV07	K5

JV08	J7
JV09	J7
JV11	K6
JV12	K6
JV13	K6
JV15	J6
JV16	H7
JV17	K4
JV20	G3
JV22	L7
JV23	K7
JV51*	H5
JV52*	H5
JV53*	H5
JV54*	H5
JV55*	J5
JV56*	G4
JV57*	J3
JV59*	J3
JV64*	G3
JX02	E5
JX03	E5
JX04	E5
JX05	E5
JX06	E7
JX07	J8
JX10	G9
JX11	G8
JX12	H8
JX13	G8
JX14	G8
JX15	F7
JX16	F8
JX17	F7
JX18	G7
JX19	G7
JX20	G6
JX21	H7
JX22	J8
JX23	J8
JX24	E5
JX25	J7
JX51*	G8
JX52*	E5
JX53*	D8
JX54*	D9
JX55*	D9
JX56*	E9
JX57*	G8
JX59*	G9
JX65*	F7

LC01	F4
LC03	G4
LH01	E6
LH01*	E6
LH02	E7
LH02*	E7
LH03	D7
LH04	E6
LL05	N5
LL05*	N5
LL08	R8
LL10	K4
LL20	R7
LL23	P6
LL26	N9
LL26	P9
LL30	L5
LL61	Q6
LL63	Q5
LP10	N3
LP10*	R3
LP13	P1
LP24	L0
LP44	K2
LP61	R5
LP62	R5
LP64	N3
LP66	M3
LP72	N3
LP73	M3
LP83	Q5
LP84	Q4
LR01	E2
LR71	D2
LR73	C2
LR75	D2
LR77	D2
SP01	H1

PF65	P5
PR08*	C0

QC01	E4
QC02	E4
QR01	D0

RA01	B5
RA02*	A9
RA03	B6
RA04*	A7
RA05	A6
RA06*	A5
RA07	B5
RA08*	A4
RA09	A4
RA10*	B9
RA11*	B4
RA20*	A2
RA21	A2
RA22*	A3
RC01*	E4
RC02*	E3
RC03*	E3
RC05*	E3
RC06*	E4
RC07*	F4
RC08*	F4
RC08*	G4
RC09*	F5
RC10*	G5
RC11*	F4
RC14*	H6
RC15*	G6
RC16*	G6
RC17*	H5
RC18*	H6
RC19*	G5
RC20	G6
RC21*	F3
RC23	G5
RC24	G4
RC25	G3
RC26*	G4
RC28*	G4
RC29*	G5
RC30*	G4
RC33	E3
RF03*	K9
RF04*	K6
RF06*	K7
RF07*	L9
RF09	J5
RF11	K8
RF12	L7
RF15	K7
RF20	K8
RF21	L8
RF23*	K7
RF24*	K7
RF25*	K7
RF27*	K8
RF29*	K7
RH01*	D8
RH03*	D7
RH04*	D7
RH05*	D8
RH06*	D8
RH07*	D7
RH09*	D8
RH12	E6
RH13	D3
RH14*	C7
RH15*	D7
RH16*	D5
RH17*	D5
RH18*	C7
RH19*	C7
RL03	L6
RL05*	K4
RL06*	L8
RL08*	L8
RL09	L4
RL10*	J5
RL11	L6
RL12	K4
RL13	J4
RL14	K5
RL23	Q6
RL25	P8
RL26	P8
RL30	M8
RL40	L7
RL41*	J4
RL42*	J5
RL43*	M9

RL44*	M9
RL45	N9
RL46*	K4
RL47*	J4
RL48*	J3
RL50	H2
RL58*	N5
RL58*	N5
RL59*	Q5
RL60	R5
RL61*	P6
RL62*	P5
RL63*	Q6
RL64*	P6
RL65*	R6
RL65*	R6
RL66*	K3
RL67	L4
RL68*	K3
RL69*	L4
RL70*	M6
RL71*	N5
RL82*	K4
RP01	J1
RP02*	L0
RP03*	M0
RP04*	M0
RP06*	M0
RP07	L1
RP08*	M1
RP09*	L2
RP10	N2
RP11	P0
RP12	P0
RP13	P1
RP14	P0
RP15	P0
RP16	P0
RP17	P0
RP18	P0
RP19	P0
RP20	Q0
RP23	N2
RP24	L1
RP25*	M0
RP26	M1
RP27	L1
RP28*	L2
RP29*	M1
RP31*	L1
RP32*	L2
RP33*	L2
RP35*	M2
RP36*	N1
RP37*	N1
RP38	P2
RP38*	N2
RP39	N1
RP40*	K1
RP41	N1
RP42*	L1
RP44*	L2
RP45*	K1
RP46*	M1
RP47*	K1
RP49*	Q3
RP50	H0
RP51*	J2
RP52*	K3
RP53*	K2
RP54*	K2
RP55*	K3
RP56*	E1
RP57*	G1
RP58*	F2
RP59*	M4
RP60*	G0
RP61*	A1
RP62*	A1
RP63*	N7
RP64*	M3
RP66*	L7
RP67*	G2
RP68*	F2
RP69	A1
RP70*	G2
RP71*	G0
RP72*	P4
RP73*	M3
RP74*	M4
RP76*	M5
RP77*	N6
RP78*	N6
RP79*	N6
RP82*	J3
RP85*	F0
RP86*	M5
RP87*	J2
RP88*	M4
RP89*	M4
RP93*	M5

RP94*	P4
RP96*	N4
RP97*	N4
RP98*	N4
RR01	N4
RR02*	B0
RR03*	B1
RR04*	E1
RR04*	F1
RR05*	E1
RR06*	F0
RR09*	C0
RR10*	D1
RR11*	D1
RR12*	D1
RR13*	C1
RR14	C1
RR15	C1
RR16*	C2
RR17	C1
RR18*	B1
RR19*	C1
RR20*	D1
RR21	B3
RR22*	D1
RR23	C3
RR24	C0
RR25*	D0
RR26*	D0
RR27*	F0
RR28*	F0
RR29*	C1
RR30	E2
RR31	E2
RR32	E2
RR33	E2
RR34*	E2
RR35*	E2
RR36*	E2
RR37*	F2
RR39*	F2
RR40*	F1
RR41*	F2
RR42*	F2
RR43*	F1
RR44	E1
RR51*	D2
RR52*	F1
RR53	C2
RR55	C2
RR56	A2
RR57*	A2
RR58*	A2
RR59*	B2
RR60*	E0
RR61*	E0
RR62	D2
RR63*	D2
RR64	D2
RR65*	D2
RR66*	C1
RR66*	D2
RR67*	C0
RR68*	A2
RR69*	F1
RR70	D2
RR71*	C3
RR72*	C2
RR73*	C3
RR74*	C2
RR75*	D3
RR76*	D2
RR77*	D2
RR78*	D2
RR80*	G0
RR81*	B0
RR82*	C1
RR83*	E3
RR84	B2
RR85*	B2
RR86*	B2
RR87*	B2
RR88*	B1
RR89*	B1
RR90*	D0
RR91*	D0
RR92*	E0
RR93*	D0
RR94*	A0
RR95*	C2
RR96*	D3
RR98	B3
RV01	J6
RV06	K6
RV11*	J5
RV12*	K5
RV13*	G1
RV21*	J6
RV26*	J4
RV27*	L4
RV31*	F2

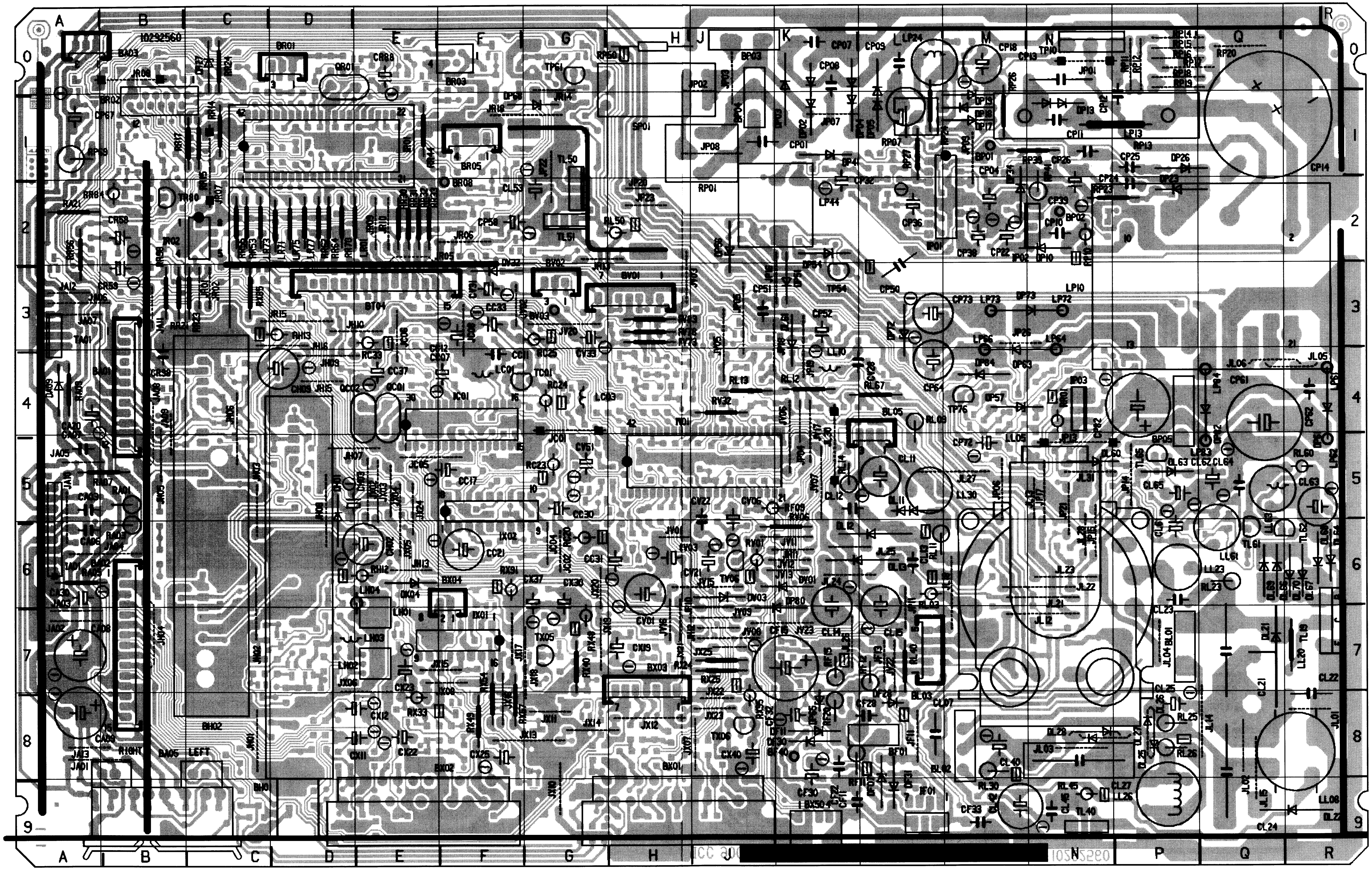
RV32	J4
RV33*	G4
RV34*	F2
RV41*	J4
RV42*	J4
RV56*	H5
RV66*	E3
RV71*	H4
RV72*	H4
RV73	H3
RV74*	H3
RV76*	H4
RV77*	H4
RV78	H3
RV79*	H3
RV81*	H4
RV82*	H4
RV83	H3
RV84*	H3
RV86*	H5
RV87*	G5
RX01*	D8
RX02*	D8
RX03*	E8
RX04*	D8
RX09*	G9
RX11*	G8
RX12*	G8
RX14*	G9
RX17*	H8
RX20*	H8
RX21*	J9
RX22*	H8
RX23*	J9
RX24	H7
RX24	J7
RX25	J7
RX26*	H9
RX27*	H9
RX28*	J8
RX29*	F8
RX30*	F8
RX31*	E8
RX32*	F8
RX33	E8
RX34*	G8
RX35*	H8
RX40	G7
RX41*	F9
RX42*	F8
RX43*	H7
RX44*	H7
RX45*	G7
RX46*	G7
RX47*	G7
RX48	G7
RX49	F8
RX50*	G7
RX51*	G7
RX52*	F9
RX53*	F9
RX54	F8
RX55*	F8
RX56*	F8
RX57	F8
RX57	G7
RX58*	E6
RX59*	F6
RX60*	E8
RX61*	E9
RX62*	H8
RX63*	H9
RX64*	F8
RX70*	H8
RX71*	H8
RX72*	H7
RX73*	J7
RX76*	G7
RX77*	F7
RX78*	G8
RX79*	G8
RX81*	F7
RX82*	F7
RX83*	C4
RX84*	D3
RX85	C3
RX86*	D2
RX87*	J8
RX88*	H8
RX89*	H8
RX90*	J8
RX91	F6
RX92*	F7
RX93*	J8
RX94*	H7
RX95	J8
RX96*	E6
RX97*	C5
RX98*	C4
RY01*	B6
RY02*	B5

SP01	H1

TA01	A3
TA01*	A3
TA02*	B4
TA20*	A2
TC01	F4
TC01	G4
TC02*	H5
TC03*	G5
TC04*	G4
TF40*	K7
TH01*	D7
TH03*	D7
TH04*	C7
TH05*	D7
TL19	R7
TL19*	R7
TL40	N9
TL40*	N9
TL50	G2
TL50*	G2
TL51	G2
TL51*	G2
TL60*	Q6
TL61	Q6
TL61*	Q6
TL62	R6
TL62*	Q7
TL63*	L4
TL64*	P5
TL65	P5
TL65*	P5
TP10	N0
TP10*	N0
TP34*	M1
TP52*	J3
TP54	K3
TP61	G0
TP61*	G0
TP66*	A0
TP67*	F2
TP69*	G0
TP76	M4
TP76*	M4
TP77*	M4
TP78*	P4
TR20*	B2
TR22*	B2
TR27*	E0
TR28*	F0
TR42*	F2
TR55*	B2
TR80	B2
TR80*	B2
TR81*	C0
TR85*	B1
TR87*	B1
TR90*	E0
TV06	J6
TV06*	J6
TV71*	H4
TV76*	H3
TV81*	H4
TX02	F6
TX03*	G7
TX04*	G7
TX05	G7
TX05*	G7
TX06	J8
TX06*	J8
TX07*	E8
TX08*	E7
TX09*	F6
TX10*	G8
TX11*	G7
TX12*	G8
TX13*	G9
TX14*	C4
TX15*	C3
TX16*	F8
TX17*	H7
TX18*	C4

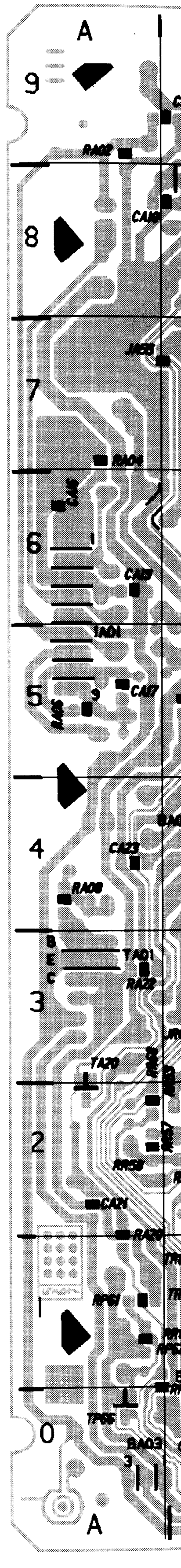
MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL

COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES


A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
0
1
2
3
4
5
6
7
8
9
10232560
RIGHT
LEFT

[redacted]

SOLDER SID


A
9
8
7
6
5
4
3
2
0

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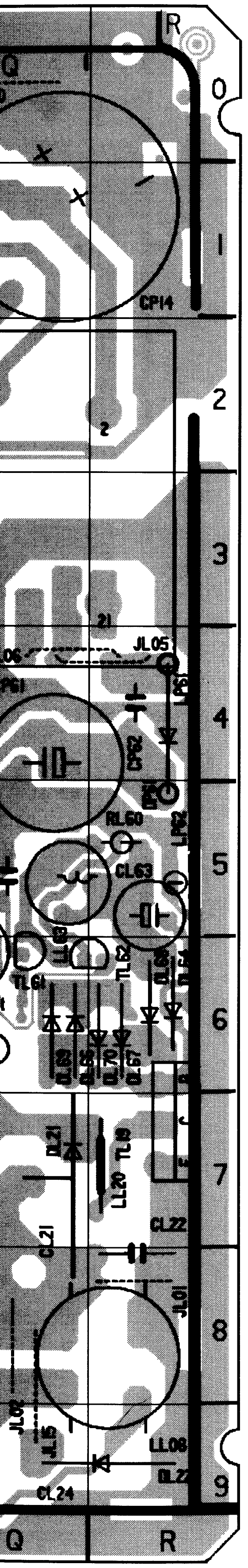
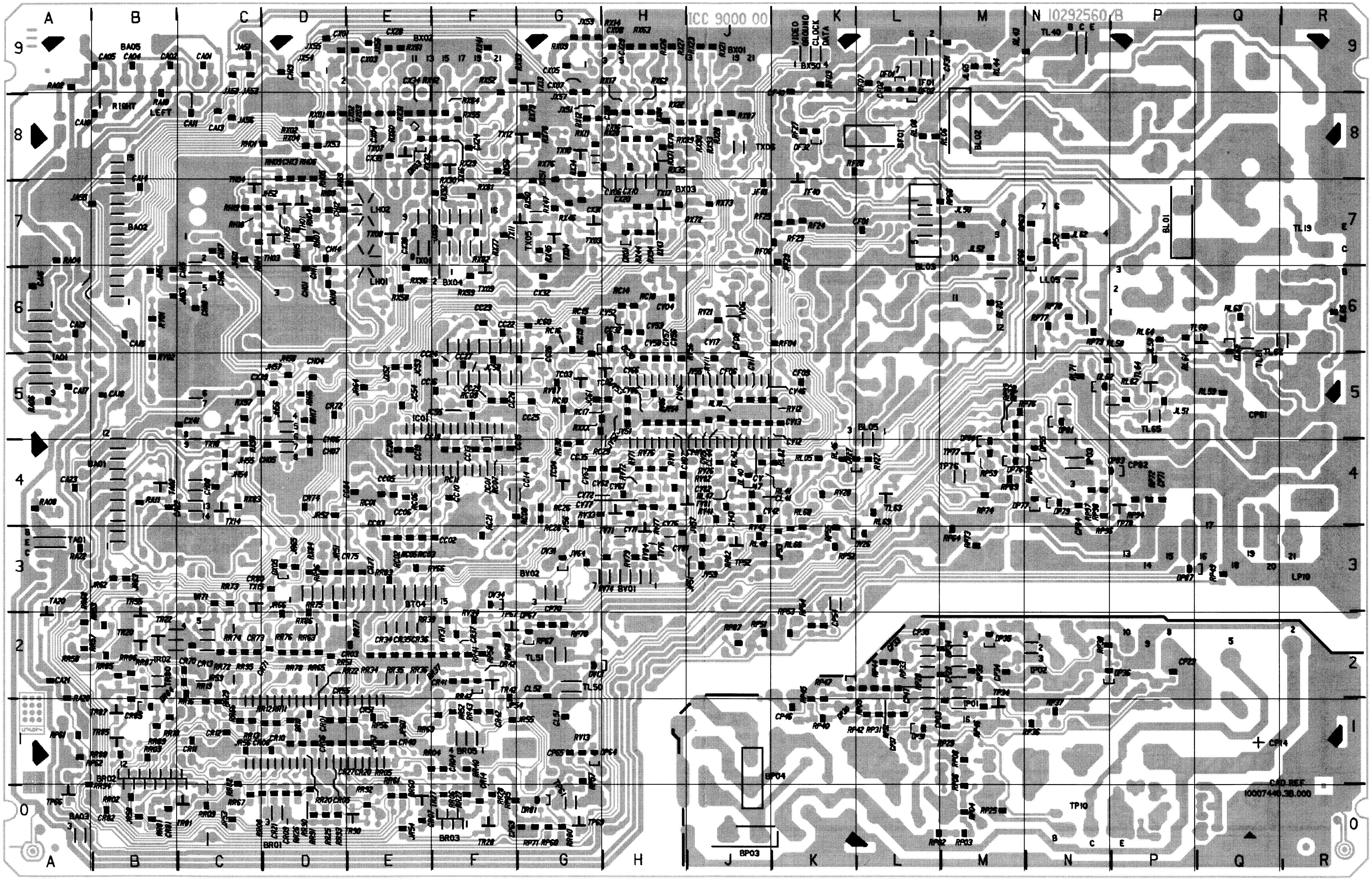
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE SALDATURE - LADO SOLDADURAS

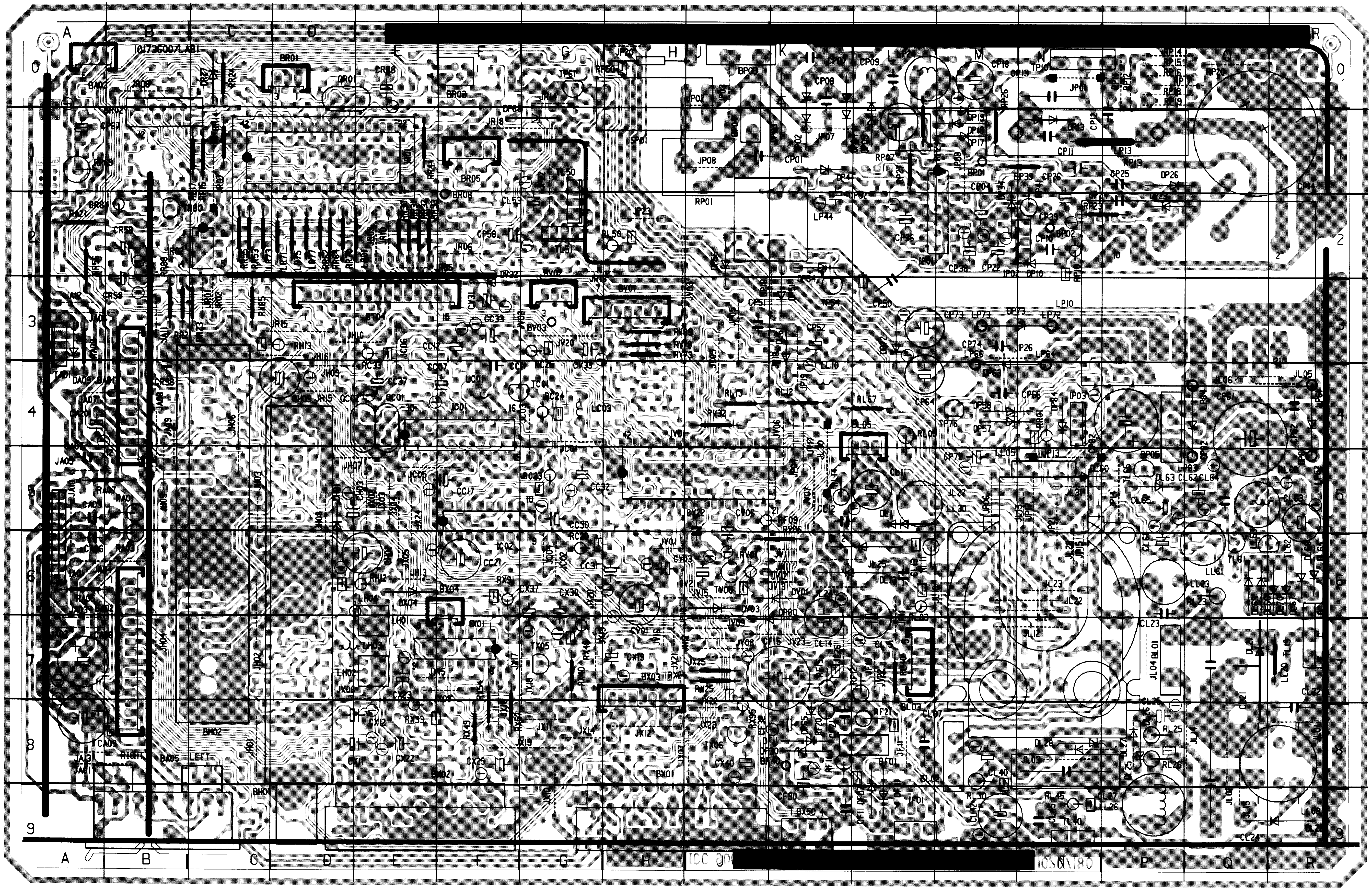

CP14
JL05
RL60
CL63
TL61
TL62
TL60
CL21
CL22
CL24
JL01
LL08
Q
R


ICC 9000 00
10292560/B
VIDEO
GROUND
CLOCK
DATA
RIGHT
LEFT
BA05
BA02
BA01
BA03
BX01
BX02
BX03
BX04
BX50
BL01
BL02
BL03
BL05
BP03
BP04
BR01
BR02
BR03
BR05
BV01
BV02
BT04
IC01
TL19
TL40
TL50
TL51
LP19
CPI4
TP10
CAD REF
10007440.38.000
A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
0
1
2
3
4
5
6
7
8
9

MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL (INDEX 01 - SPECIFIC CHASSIS ICC 9494B)

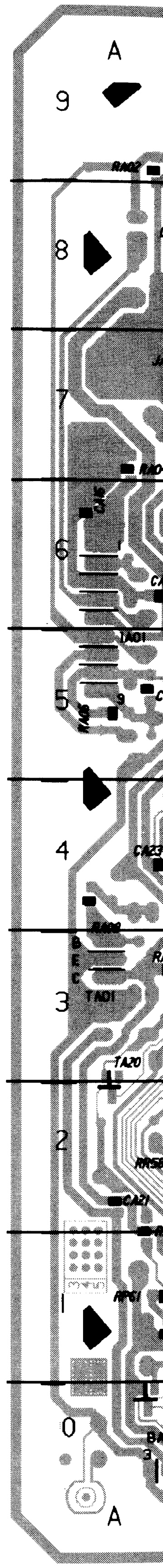
COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES

SOLDER SIDE


A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
0
1
2
3
4
5
6
7
8
9
10173600/LAB1
RIGHT
LEFT
ICC 30

[redacted]

[redacted]


A
9
8
7
6
5
4
3
2
1
0

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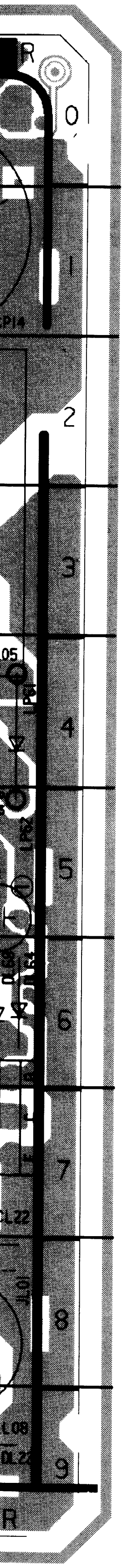
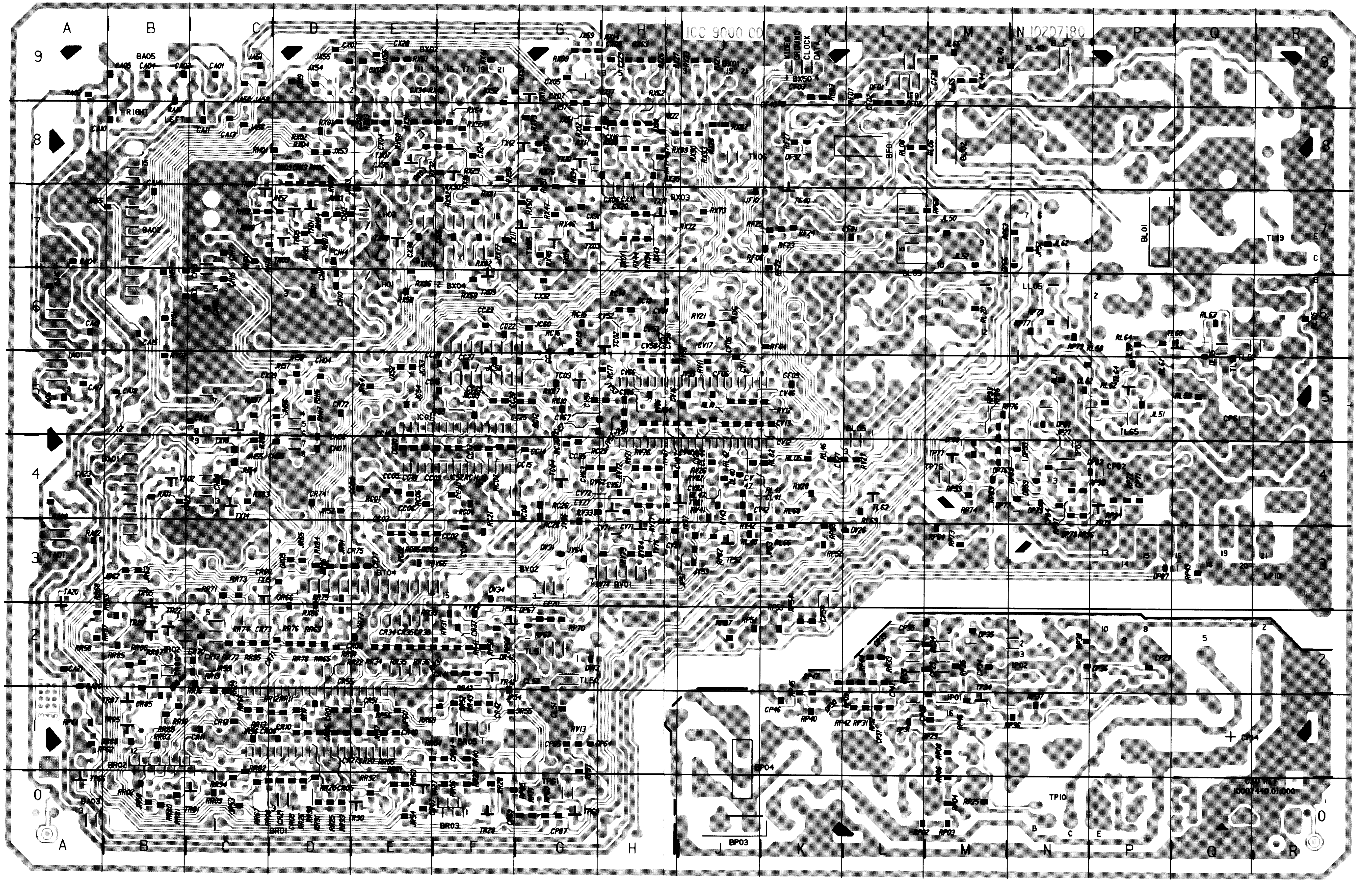
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE SALDATURE - LADO SOLDADURAS




A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
0
1
2
3
4
5
6
7
8
9
ICC 9000 00
10207180
VIDEO
GROUND
CLOCK
DATA
RIGHT
LEFT
BA05
BA02
BA01
BA03
BX01
BX03
BX04
BY01
BY02
BR01
BR02
BR03
BR05
BP03
BP04
BL01
BL02
BL03
BL05
BF01
IC01
TL40
TL19
TL50
TL51
TL65
LP10
TP10
CP14
CAD REF
10007440.01.000

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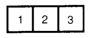
COMPONENT LOCATION - LOCALISATION DES ELEMENTS - BAUTEILE POSITIONEN - LOCALIZZAZIONE DEGLI ELEMENTI - LOCALIZACION DE LOS COMPONENTES

* SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE



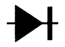
BA01	B4
BA01*	B4
BA02	B6
BA02*	B7
BA03	A0
BA03*	A0
BA05	B8
BA05*	B9
BF01	L8
BF01*	L8
BF40	K8
BH01	C6
BH02	C8
BL01	P7
BL01*	P7
BL02	L8
BL02*	M8
BL03	L8
BL03*	L7
BL05	L4
BL05*	L5
BP01	M1
BP02	N2
BP03	J0
BP03*	J0
BP04	J1
BP04*	J1
BP05	P5
BR01	D0
BR01*	D0
BR02	B1
BR02*	B1
BR03	F0
BR03*	F0
BR05	F1
BR05*	F1
BR08	F2
BT04	E3
BT04*	E3
BV01	H3
BV01*	H3
BV02	G2
BV02*	G3
BV03	G3
BX01	H8
BX01*	J9
BX02	F8
BX02*	E9
BX03	H7
BX03*	H7
BX04	F6
BX04*	F6
BX50	K9
BX50*	K9

CA01*	C9
CA02*	B9
CA03	A5
CA04*	B9
CA05*	B9
CA06	A6
CA07	A4
CA08	B7
CA09	A8
CA10*	B8
CA11*	C8
CA13*	C8
CA14*	B7
CA15*	B6
CA16*	C6
CA17*	A5
CA18*	B5
CA19*	C6
CA20	A4
CA21*	A2
CA23*	A4
CC01*	F3
CC02*	F3
CC03*	E3
CC04*	D4
CC05*	E4
CC06*	E4
CC07	F4
CC09*	E4
CC10*	F4
CC11	F4
CC12	F3
CC13*	F4
CC14*	G4
CC15*	G4
CC16*	E5
CC17	F5
CC18*	E5
CC19*	E4

CC20*	E4
CC21	F6
CC22*	F6
CC23*	F6
CC24*	E5
CC25*	F5
CC26*	G5
CC27*	F5
CC28*	F5
CC29*	F5
CC30	G5
CC31	G6
CC32	G5
CC33	F3
CC35*	G4
CC37	E4
CF01*	L7
CF02*	L9
CF03*	K9
CF05*	J6
CF06*	J5
CF09*	K5
CF11	L9
CF15	K7
CF21	K8
CF30	K9
CF31*	M9
CF32	J8
CF40*	K9
CH01*	D6
CH02	E6
CH03	E5
CH04*	D5
CH05*	D4
CH06*	D4
CH07*	D4
CH08*	C4
CH09	D4
CH10*	D6
CH11*	D6
CH12*	D7
CH13*	D8
CH14*	D7
CH15*	C6
CH16*	C6
CH17*	C7
CH18*	C6
CH19*	D9
CL07	L8
CL11	L5
CL12	K5
CL13	L6
CL14	K7
CL15	L7
CL21	Q7
CL22	R7
CL23	P7
CL24	Q9
CL25	P7
CL27	N9
CL40	M8
CL41*	K4
CL42	M9
CL44*	J4
CL45	N9
CL51*	G1
CL52*	G2
CL53	F2
CL61	P6
CL62	Q5
CL63	R5
CL64	Q5
CL65	P5
CP01	K1
CP03*	L1
CP04	M1
CP07	K0
CP08	K0
CP09	L0
CP10	N2
CP11	N1
CP12	N1
CP13	M0
CP14	R1
CP14*	Q1
CP18	M0
CP22	M2
CP23*	P2
CP24	N2
CP25	P1
CP26	N1
CP29*	M2
CP32	K2
CP33*	L2
CP34*	M2
CP35*	L2
CP36	L2
CP37*	L1
CP38	M2

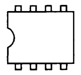
CP39	N2
CP46*	K1
CP47*	L2
CP50	L2
CP51	J3
CP52	K3
CP54*	K2
CP58	F2
CP61	Q4
CP61*	Q5
CP62	R4
CP64	L4
CP65*	G1
CP66	N4
CP67	A1
CP69*	F0
CP70*	G3
CP71*	P4
CP72	M5
CP73	M3
CP74	M3
CP82	N4
CP82*	P4
CP84*	N4
CP87*	G0
CR01*	D1
CR02*	E3
CR03*	E2
CR04*	F1
CR05*	D0
CR06*	D1
CR07*	E0
CR08*	D1
CR09*	D0
CR10*	D1
CR11*	C1
CR12*	C1
CR13	C2
CR20*	E1
CR21*	D0
CR22*	B4
CR27*	D1
CR34*	E2
CR35*	E2
CR36*	E2
CR37*	F2
CR40*	E1
CR41*	F2
CR42*	F1
CR51*	E1
CR55*	D2
CR58	B2
CR59	B3
CR70*	C2
CR71*	C2
CR72*	D5
CR73*	C2
CR74*	D4
CR75*	E3
CR77*	E3
CR80*	C3
CR85*	B1
CR88	E0
CR98	B4
CV01	H7
CV03	H6
CV04*	H6
CV06	J5
CV07*	J4
CV11*	J5
CV12*	K4
CV13*	K5
CV16*	H5
CV17*	J6
CV21	J6
CV22	J5
CV26*	J4
CV27*	K4
CV31	F3
CV33	G4
CV41*	J4
CV42*	J4
CV43*	J4
CV46*	K5
CV47*	J4
CV51*	G5
CV52*	H6
CV53*	H6
CV56*	H6
CV57*	H6
CV58*	H6
CV61*	H4
CV62*	G4
CV63*	G4
CV66*	H5
CV67*	G5
CV71*	H3
CV72*	G4
CV76*	H3

CV77*	G4
CV81*	H3
CV82*	J4
CV86*	H5
CX01*	D9
CX02*	E8
CX03*	E8
CX03*	E9
CX04*	E8
CX05*	G9
CX06*	H7
CX07*	G9
CX08*	H9
CX09*	H8
CX10*	H7
CX11	E8
CX12	E8
CX19	H7
CX20*	H7
CX22	E8
CX23	E7
CX24*	F8
CX25	F8
CX28*	E9
CX29*	H9
CX30	G6
CX31*	G7
CX32*	G6
CX34*	E9
CX35*	E8
CX37	G6
CX38*	E7
CX39*	C5
CX40	J8
CX45*	C5



DA09	A3
DC01*	F4
DF01*	L9
DF02*	L9
DF07	L9
DF11	K8
DF30	K8
DF31	L9
DF32*	K8
DH01	D5
DL11	L5
DL12	K6
DL13	L6
DL21	Q7
DL22	R9
DL25	P8
DL26	P8
DL27	P8
DL28	N8
DL40*	J4
DL60	N5
DL61	K3
DL62*	N5
DL63	P5
DL64	R6
DL65*	Q5
DL66	R6
DL67	R6
DL68	R6
DL70	R6
DP02	K1
DP03	K1
DP04	K1
DP05	L1
DP10	N2
DP13	N1
DP17	M1
DP18	M1
DP19	M1
DP23	P2
DP26	P1
DP30*	K1
DP31*	L1
DP34	M2
DP35*	M2
DP36*	N2
DP41	K1
DP51	K3
DP54	K3
DP55*	N4
DP56	J2
DP57	M4
DP58	M4
DP59*	N4
DP61	R5
DP63	M4
DP64*	G1
DP65	K8
DP66*	M7
DP67*	G2

DP68	F1
DP72	L2
DP73	M3
DP76*	M4
DP77*	M4
DP78*	N3
DP79*	N4
DP80	K6
DP81*	N5
DP82	Q5
DP83*	P4
DP84	N4
DP87*	P3
DP88*	M4
DR27	C0
DR42*	F2
DR84*	B1
DV01	K6
DV03	J6
DV13*	G2
DV26*	L3
DV31*	G3
DV32	F2
DV34*	F3
DX01*	H7
DX03*	E8
DX04	E6
DX05*	D3



IA01	A6
IA01*	A5
IC01	F4
IC01*	E5
IC02	F6
IF01	L9
IF01*	L9
IP01	L2
IP01*	M1
IP02	M2
IP02*	N2
IP03	N4
IP03*	N4
IR01	E1
IR02	B2
IR02*	B2
IV01	H4
IX01	F7
IX01*	E7

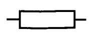
JA01	A8
JA02	A7
JA03	A6
JA04	A6
JA05	A5
JA06	A3
JA07	A4
JA08	B4
JA09	B4
JA10	A5
JA11	B3
JA12	A3
JA13	A8
JA51*	C9
JA52*	C9
JA53*	C9
JA55*	C7
JA56*	C8
JC01	G5
JC02	G6
JC03	G4
JC04	G6
JC05	E5
JC06	E3
JC52*	F4
JC53*	E5
JC54*	E5
JC55*	F5
JC58*	F5
JC60*	G6
JF10*	J7
JF11	L8
JF13	L7
JH01	C8
JH02	C7
JH03	C5
JH04	B7
JH05	B5
JH06	C4
JH07	D5
JH08	D5
JH09	D4

JH10	E3
JH11	K6
JH12	J7
JH13	E6
JH15	D4
JH16	D3
JH51*	B6
JH52*	D7
JH53*	C6
JH54*	C4
JH55*	C4
JH56*	D5
JH57*	D5
JH59*	D5
JH59*	D7
JH60*	C7
JL01	R8
JL02	Q9
JL03	N8
JL04	P7
JL05	R4
JL06	Q4
JL12	N7
JL13	N5
JL14	Q8
JL15	Q9
JL18	M6
JL21	N6
JL22	N6
JL23	N6
JL24	K6
JL25	L6
JL26	K7
JL27	M5
JL28	N6
JL30	K5
JL31	N5
JL50*	M7
JL51*	P5
JL52*	M7
JL58*	P6
JL62*	N7
JL65*	M9
JL66*	M9
JP01	N0
JP02	J0
JP03	J0
JP04	K5
JP05	J3
JP06	M5
JP07	K1
JP08	J1
JP09	M1
JP10	J6
JP11	L6
JP13	N5
JP14	P5
JP15	N6
JP16	J3
JP17	N5
JP18	K3
JP19	K4
JP20	H0
JP21	N5
JP22	G1
JP23	H2
JP26	N3
JP27*	N5
JP51*	J3
JP52*	N7
JP53*	K3
JP54*	F1
JP60*	E1
JR01	C3
JR02	C3
JR05	F2
JR06	F2
JR07	C1
JR08	B0
JR09	E2
JR10	E2
JR13	G3
JR14	G0
JR15	D3
JR18	F1
JR51*	D3
JR52*	D4
JR53*	C0
JR54*	E0
JR55*	G1
JR56*	C1
JR57*	E1
JR58*	B0
JR59*	C2
JR62*	B3
JR63*	B3
JR64*	E5
JR65*	D3
JR66*	D3

JV01	H6
JV02	F3
JV03	H3
JV05	J3
JV06	K4
JV07	K5
JV08	J7
JV09	J7
JV11	K6
JV12	K6
JV13	K6
JV15	J6
JV16	H7
JV17	K5
JV20	G3
JV22	L7
JV23	K7
JV51*	H5
JV52*	H4
JV53*	H5
JV54*	H5
JV55*	J5
JV56*	G3
JV57*	J3
JV59*	J3
JV64*	G3
JX02	E5
JX03	E5
JX04	E5
JX05	E6
JX06	D7
JX07	H8
JX08	F7
JX10	G9
JX11	G8
JX12	H8
JX13	G8
JX14	G8
JX15	E7
JX16	F8
JX17	F7
JX18	G7
JX19	G7
JX20	G6
JX21	H7
JX22	J8
JX23	J8
JX24	E5
JX25	J7
JX51*	G8
JX52*	E5
JX53*	D8
JX54*	D9
JX55*	D9
JX56*	E9
JX57*	G8
JX59*	G9
JX65*	F7

LC01	F4
LC03	G4
LH01	E7
LH01*	E6
LH02*	E7
LH03	E7
LH04	E6
LL05	M5
LL05*	N6
LL08	R9
LL10	K4
LL20	R7
LL23	Q6
LL26	N9
LL30	M5
LL61	Q6
LL63	Q6
LP10	N3
LP10*	R3
LP13	P1
LP24	L0
LP44	K2
LP61	R4
LP62	R5
LP64	N3
LP66	M3
LP72	N3
LP73	M3
LP83	Q5
LP84	Q4
LR01	E2
LR71	D2
LR73	C2
LR75	D2
LR77	D2
LX02	D7

QC01	E4
QC02	E4
QL69	Q6
QR01	D0



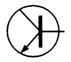
RA01	B5
RA02*	C9
RA03	B6
RA04*	C7
RA05	A6
RA06*	C5
RA07	B5
RA08*	A4
RA09	A3
RA10*	B8
RA11*	B4
RA20*	A2
RA21	A2
RA22*	A3
RC01*	E4
RC03*	E3
RC04*	F4
RC05*	E3
RC06*	E4
RC07*	F4
RC08*	G4
RC09*	F5
RC10*	G5
RC11*	F4
RC12*	G5
RC14	H6
RC15*	G6
RC16*	G6
RC17*	H5
RC18*	H6
RC19*	G6
RC20	G6
RC21*	F3
RC23	G5
RC24	G4
RC25	G4
RC26*	G4
RC27*	G5
RC28*	G3
RC29*	G4
RC30*	G4
RC33	E3
RC33*	G4
RF03*	K9
RF04*	K6
RF06*	J7
RF07*	L9
RF09	K5
RF11	K8
RF12	L7
RF15	K7
RF20	K8
RF21	L8
RF23*	K7
RF24*	K7
RF25*	J7
RF27*	K8
RF29*	K7
RH01*	C8
RH03*	D7
RH04*	D7
RH05*	D7
RH06*	D8
RH09*	D8
RH12	E6
RH13	D3
RH14*	C7
RH15*	D7
RH16*	D5
RH17*	D5
RH18*	C7
RH19*	C7
RL03	L6
RL05*	K4
RL06*	M8
RL08*	L8
RL09	L4
RL10*	J5
RL11	L6
RL12	K4
RL13	J4
RL14	K5
RL23	Q6
RL25	P8
RL26	P8
RL30	M9
RL40	L7

RL41*	K4
RL42*	J4
RL43*	M9
RL44*	M9
RL45	N9
RL46*	K4
RL47*	J4
RL48*	J3
RL50	H2
RL58*	N6
RL59*	Q5
RL60	R5
RL61*	P5
RL62*	P5
RL63*	Q6
RL64*	P6
RL66*	K3
RL67	L4
RL67*	R6
RL68*	K4
RL69*	L4
RL70*	M6
RL71*	N5
RL82*	K4
RP01	J2
RP02	L0
RP03*	M0
RP04*	M0
RP06*	M0
RP07	L1
RP08*	M1
RP09*	L1
RP10	N2
RP11	P0
RP12	P0
RP13	P1
RP14	P0
RP15	P0
RP16	P0
RP17	P0
RP18	P0
RP19	P0
RP20	Q0
RP23	N2
RP24	M1
RP25*	M0
RP26	M0
RP27	L1
RP28*	L2
RP29*	M1
RP31*	L1
RP32*	L1
RP33*	L2
RP34*	M2
RP35*	M2
RP36*	N1
RP37*	N1
RP38*	N2
RP39	N1
RP40*	K1
RP41	N2
RP42*	K1
RP44*	L2
RP45*	K1
RP46*	M1
RP47*	K2
RP49*	Q3
RP50	H0
RP51*	J2
RP52*	K3
RP53*	K2
RP54*	K2
RP55*	K3
RP56*	E1
RP57*	G1
RP58*	F2
RP59*	M4
RP60*	G0
RP61*	A1
RP62*	A1
RP63*	M7
RP64*	M3
RP66*	M7
RP67*	G2
RP68*	F2
RP69	A1
RP70*	G2
RP71*	G0
RP72*	P4
RP73*	M3
RP74*	M4
RP76*	M5
RP77*	N6
RP78*	N6
RP79*	N6
RP82*	J3
RP85*	G0
RP86*	M5
RP87*	J2

RP88*	N4
RP89*	M4
RP93*	M5
RP94*	P4
RP96*	N3
RP97*	N3
RP98*	P4
RR01	N4
RR02*	B0
RR03*	B1
RR04*	F1
RR05*	E1
RR06*	F0
RR07*	D7
RR08*	C0
RR10*	D1
RR11*	D1
RR12*	D1
RR13*	C1
RR14	C1
RR15	C1
RR16	C1
RR17	C1
RR18*	B1
RR19*	C2
RR20*	D0
RR21	B3
RR22*	D2
RR23	C3
RR24	C0
RR25*	D0
RR26*	D0
RR27*	F0
RR28*	F0
RR29*	C1
RR30	E2
RR31	E2
RR32	E2
RR33	E2
RR34*	E2
RR35*	E2
RR36*	E2
RR37*	E2
RR39*	E2
RR40*	F1
RR41*	F2
RR42*	F2
RR43*	F1
RR44	E1
RR51*	D2
RR52*	F1
RR53	C2
RR55	C2
RR56	A2
RR57*	A2
RR58*	A2
RR60*	E0
RR61*	E1
RR62	D2
RR63*	D2
RR64	D2
RR65*	D2
RR66*	C1
RR67*	C0
RR68*	A2
RR69*	E1
RR70	D2
RR71*	C3
RR72*	C2
RR73*	C3
RR74*	C2
RR75*	D3
RR76*	D2
RR77*	E2
RR78*	D2
RR80*	B0
RR81*	B0
RR82*	C1
RR84	B2
RR85*	B2
RR86*	B2
RR87*	B2
RR88*	B1
RR89*	B1
RR90*	D0
RR91*	D0
RR92*	E0
RR93*	D0
RR94*	C0
RR95*	C2
RR96*	D3
RV01	J6
RV06	K5
RV11*	J5
RV12*	K5
RV13*	G1
RV21*	J6
RV26*	J4
RV27*	L4

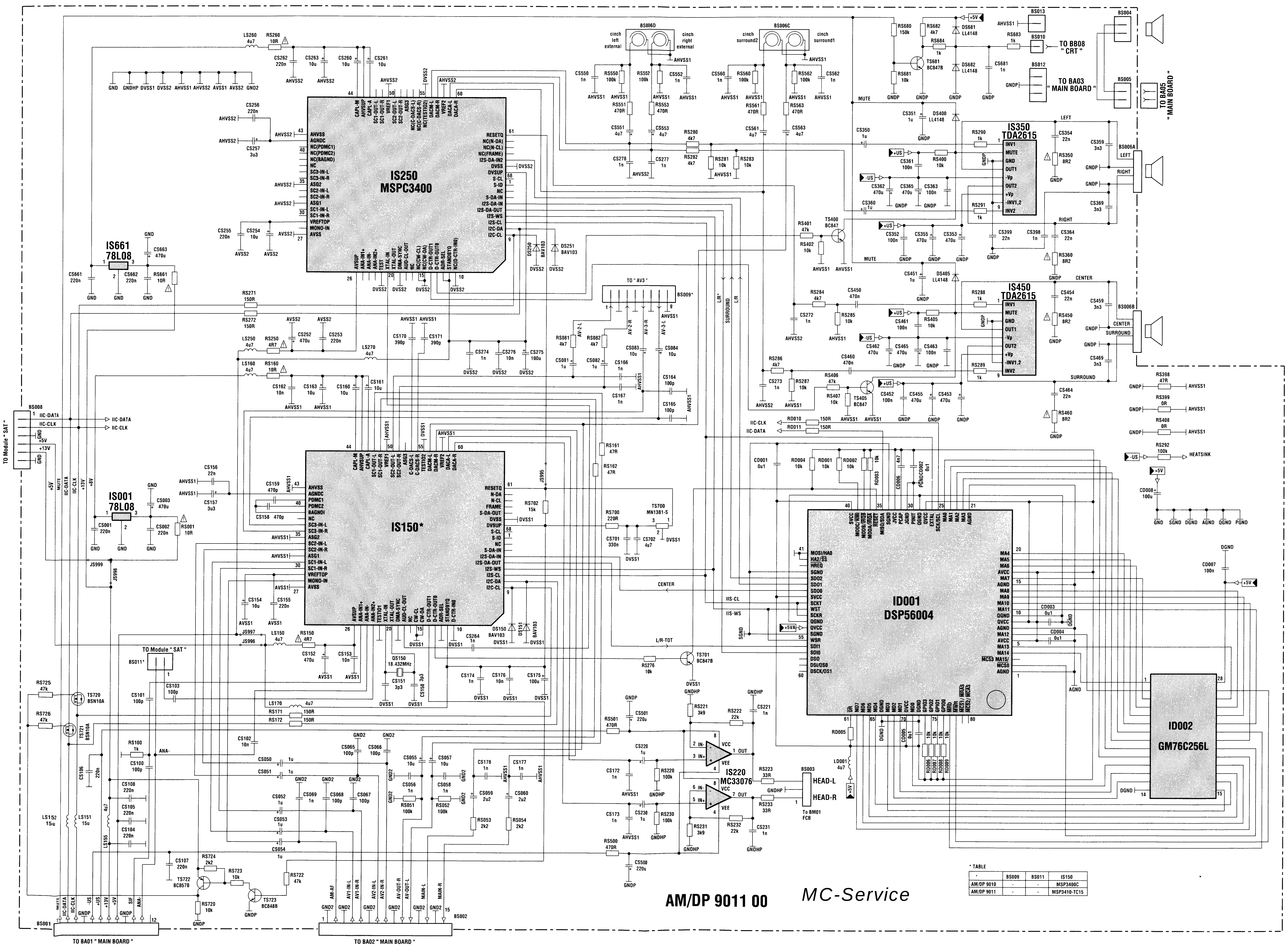
RV28*	K4
RV31*	F2
RV34*	F2
RV41*	J4
RV42*	J3
RV56*	J5
RV66*	F3
RV71*	H4
RV72*	H4
RV73	H3
RV74*	H3
RV76*	H4
RV77*	H3
RV78	H3
RV79*	H3
RV81*	H4
RV82*	J4
RV83	H3
RV84*	H3
RV86*	H5
RV87*	G5
RX01*	D8
RX02*	D8
RX04*	D8
RX08*	H8
RX09*	G9
RX11*	G8
RX12*	G8
RX14*	H9
RX16*	H8
RX17*	H9
RX20*	H8
RX21*	J9
RX22*	H8
RX23*	J9
RX24	H7
RX25	J7
RX26*	H9
RX27*	H9
RX28*	J8
RX29*	F8
RX30*	F7
RX31*	E8
RX32*	E8
RX33	E8
RX34*	G8
RX35*	H8
RX40	G7
RX41*	F9
RX42*	E9
RX43*	H7
RX44*	H7
RX45*	G7
RX46*	G7
RX47*	G7
RX48	G7
RX49	F8
RX50*	G7
RX51*	G7
RX52*	F9
RX53*	G9
RX54	F7
RX55*	F8
RX56*	F8
RX57	F8
RX58*	E6
RX59*	F6
RX60*	E8
RX61*	E9
RX62*	H9
RX63*	H9
RX64*	F8
RX70*	H8
RX71*	H8
RX72*	J7
RX73*	J7
RX76*	G8
RX77*	F7
RX78*	G8
RX79*	G8
RX81*	F7
RX82*	F7
RX83*	C4
RX84*	D3
RX85	C3
RX86*	D2
RX87*	J8
RX89*	H8
RX90*	J8
RX91	F6
RX92*	F7
RX93*	J8
RX94*	H7
RX95	J8
RX96*	E6
RX97*	C5
RX98*	C4
RY01*	B6
RY02*	B5

SP01	H1



TA01	A3
TA01*	A3
TA02*	B4
TA20*	A2
TC01	G4
TC02*	H6
TC03*	G5
TC04*	G4
TF40*	K7
TH01*	D7
TH03*	D7
TH04*	C7
TH05*	D7
TL19	R7
TL19*	R7
TL40	N9
TL40*	N9
TL50	G1
TL50*	G2
TL51	G2
TL51*	G2
TL60*	Q6
TL61	Q6
TL61*	Q5
TL62	R6
TL62*	Q5
TL63*	L4
TL65	P5
TL65*	P5
TP10	N0
TP10*	N0
TP34*	M2
TP52*	J3
TP54	K3
TP61	G0
TP61*	G0
TP66*	A0
TP67*	F2
TP69*	G0
TP76	M4
TP76*	M4
TP77*	M4
TP78*	P4
TR20*	B2
TR22*	B2
TR27*	F0
TR28*	F0
TR42*	F2
TR55*	B3
TR80	B2
TR80*	B2
TR81*	C0
TR85*	B1
TR87*	B1
TR90*	E0
TV06	J6
TV06*	J6
TV71*	H3
TV76*	H3
TV81*	J4
TX03*	G7
TX04*	G7
TX05	G7
TX05*	G7
TX06	J8
TX06*	J8
TX07*	E8
TX08*	E7
TX09*	F6
TX10*	G8
TX11*	F7
TX12*	F8
TX13*	G9
TX14*	C4
TX15*	C3
TX16*	F8
TX17*	H7
TX18*	C4

AUDIO MODULE - MODULE AUDIO -TON SIGNAL BAUSTEIN - MODULO AUDIO - MÓDULO AUDIO (AM / DP 9010 - AM / DP 9011)


IS250
MSPC3400
IS150*
ID001
DSP56004
ID002
GM76C256L
IS350
TDA2615
IS450
TDA2615
IS220
MC33076
IS661
78L08
IS001
78L08
TS400 BC847
TS405 BC847
TS681 BC847B
TS700 MN1381-S
TS701 BC847B
TS720 BSN10A
TS721 BSN10A
TS722 BC857B
TS723 BC848B
QS150 18.432MHz
BS006D
BS006C
BS006A
BS006B
BS009*
BS011*
BS008
BS001
BS002
BS003
BS004
BS005
BS010
BS012
BS013
cinch left external
cinch right external
cinch surround2
cinch surround1
TO BB08 " CRT "
TO BA03 " MAIN BOARD "
TO BA05 " MAIN BOARD "
TO " AV3 "
TO Module " SAT "
TO BA01 " MAIN BOARD "
TO BA02 " MAIN BOARD "
To BM01 FC8
HEAD-L
HEAD-R
LEFT
RIGHT
CENTER
SURROUND
MUTE
HEATSINK
IIC-DATA
IIC-CLK
IIS-CL
IIS-WS
L/R-TOT

* TABLE

*	BS009	BS011	IS150
AM/DP 9010	-	-	MSP3400C
AM/DP 9011	-	-	MSP3410-TC15

AM/DP 9011 00

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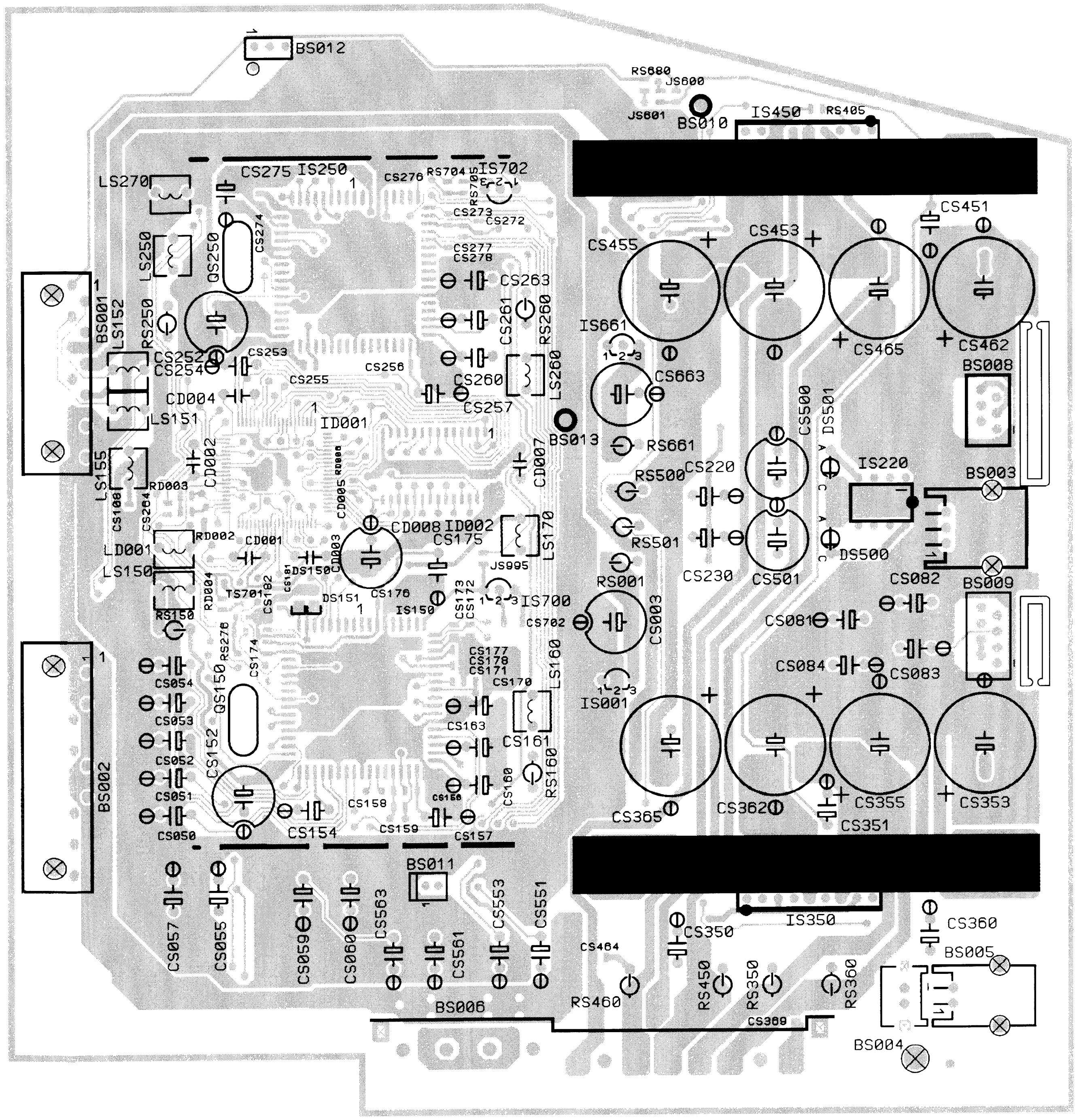
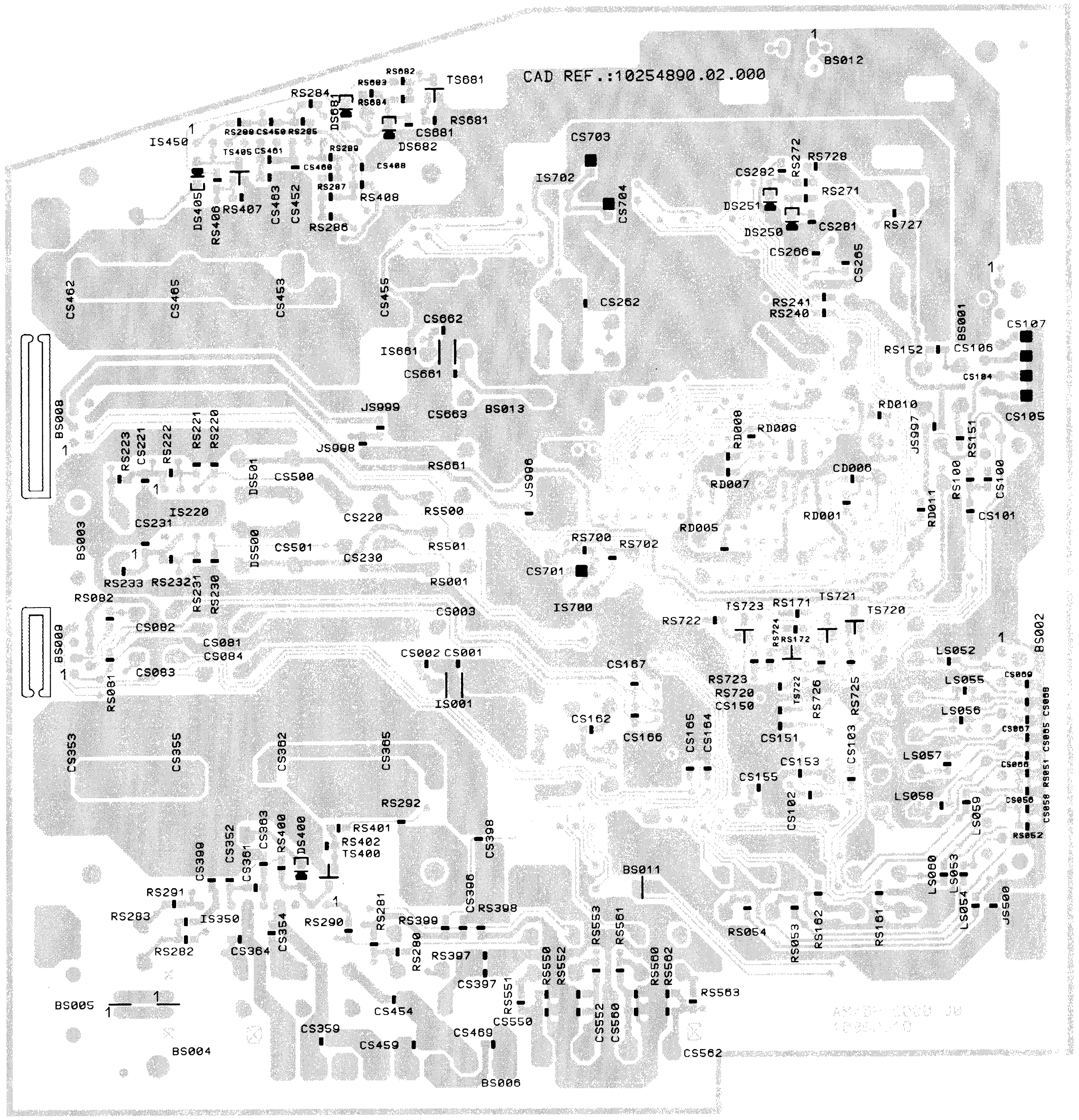
AUDIO MODULE - MODULE AUDIO -TON SIGNAL BAUSTEIN - MODULO AUDIO - MÓDULO AUDIO (AM / DP 9010 - AM / DP 9011)

COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES


BS012
RS680
JS600
JS601
BS010
IS450
RS405
LS270
CS275
IS250
CS276
RS704
IS702
CS273
CS272
CS277
CS278
CS263
LS250
QS250
CS274
CS261
RS260
BS001
LS152
RS250
CS252
CS253
CS254
CS255
CS256
CS260
LS260
CS257
CD004
LS151
ID001
LS155
CS108
RD003
CD002
CD005
CD007
BS013
CD008
ID002
CS175
LS170
LD001
RD002
CD001
CD003
LS150
RD004
TS701
CS182
CS181
DS150
DS151
CS176
JS995
IS150
CS173
CS172
IS700
CS702
RS150
RS270
CS174
CS177
CS178
CS171
CS170
LS160
CS054
CS053
QS150
CS152
CS163
CS161
RS160
BS002
CS052
CS051
CS050
CS158
CS154
CS159
CS157
CS160
CS057
CS055
CS059
CS060
CS563
BS011
CS561
CS553
CS551
BS006
CS455
CS453
CS451
IS661
CS663
CS465
CS462
BS008
RS661
RS500
CS220
CS500
DS501
IS220
BS003
RS501
CS230
CS501
DS500
RS001
CS003
CS082
BS009
CS081
CS084
CS083
IS001
CS365
CS362
CS355
CS353
CS351
IS350
CS350
CS360
CS464
RS460
RS450
RS350
CS300
RS360
BS005
BS004

SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE SALDATURE - LADO SOLDADURAS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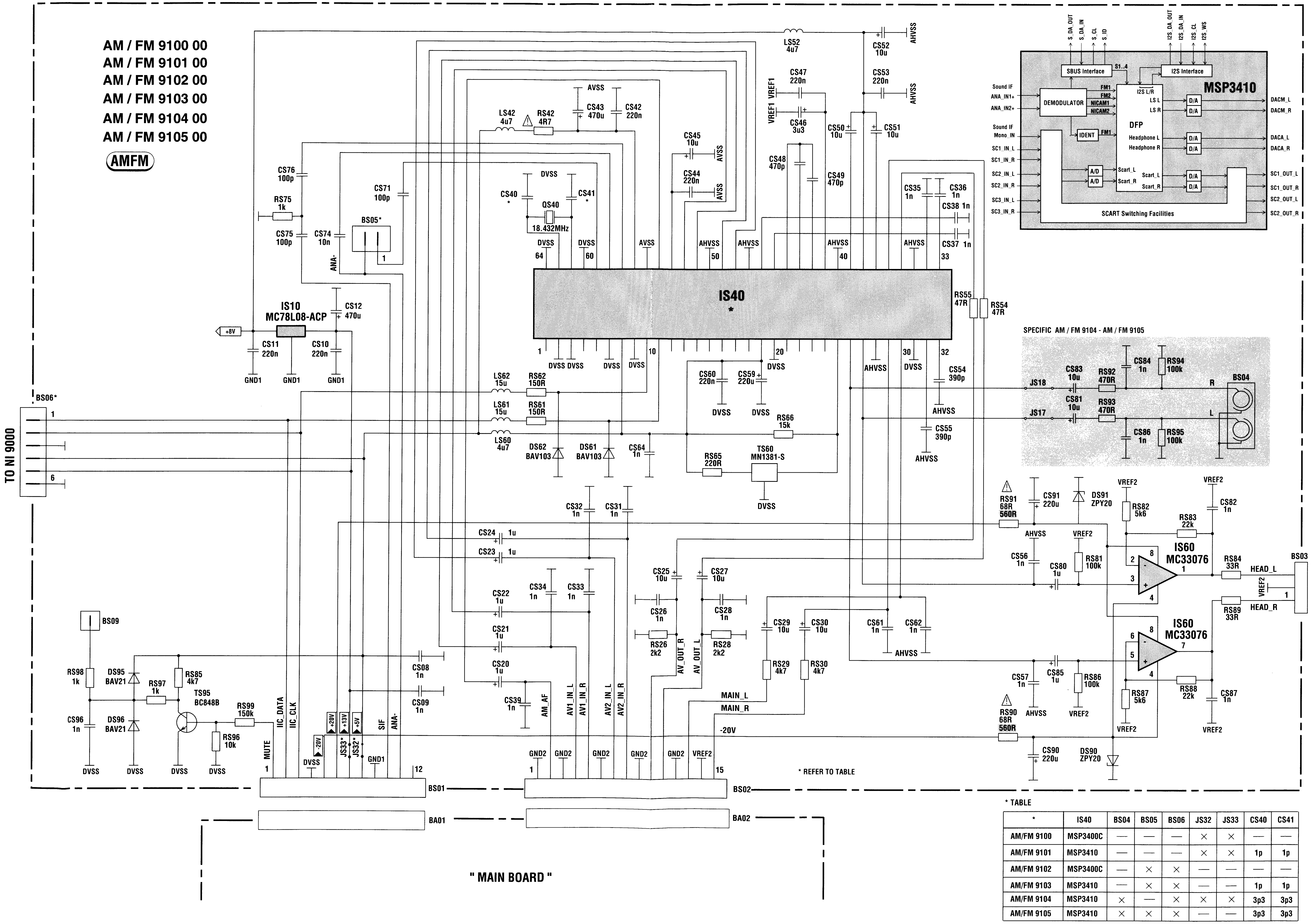
BS012
TS681
RS681
CS681
DS682
RS284
IS450
RS407
RS406
DS405
CS453
CS452
RS408
RS286
CS703
IS702
CS704
CS282
RS272
RS728
RS271
DS251
DS250
CS281
RS727
CS266
CS265
CS462
CS465
CS453
CS455
CS262
RS241
RS240
BS001
CS107
CS662
IS661
CS661
RS152
CS106
CS104
CS105
JS999
CS663
BS013
BS008
JS998
RS223
RS221
RS222
RS221
RS220
RD010
RD008
RD009
JS997
RS151
RS100
CS100
DS501
CS500
RS661
JS996
CD006
RD007
RD001
RD011
CS101
IS220
CS231
CS220
RS500
RD005
BS003
DS500
CS501
CS230
RS501
RS700
RS702
CS701
RS233
RS232
RS231
RS230
RS082
RS001
IS700
TS723
RS171
TS721
TS720
RS722
CS082
CS003
BS009
CS081
CS084
CS002
CS001
BS002
LS052
CS083
RS081
IS001
CS167
RS723
RS720
CS150
RS726
RS725
LS055
LS056
CS162
CS166
CS165
CS164
CS151
CS103
CS353
CS355
CS362
CS365
CS153
LS057
CS155
CS102
LS058
RS292
RS401
RS402
TS400
CS399
CS352
CS361
CS363
RS400
DS400
CS398
BS011
RS291
RS283
IS350
RS290
RS281
RS399
RS398
RS054
RS053
RS162
RS161
LS060
LS053
LS054
JS600
RS282
CS364
CS354
RS280
RS397
CS397
CS553
CS551
RS560
RS562
BS005
RS551
RS550
RS552
CS552
CS560
RS563
CS454
CS550
CS359
CS459
CS469
BS004
CS562
BS006

MC-Service

AUDIO MODULE - MODULE AUDIO -TON SIGNAL BAUSTEIN - MODULO AUDIO - MÓDULO AUDIO (AM / FM 9100 - 9102 - 9103 - 9104 - 9105)

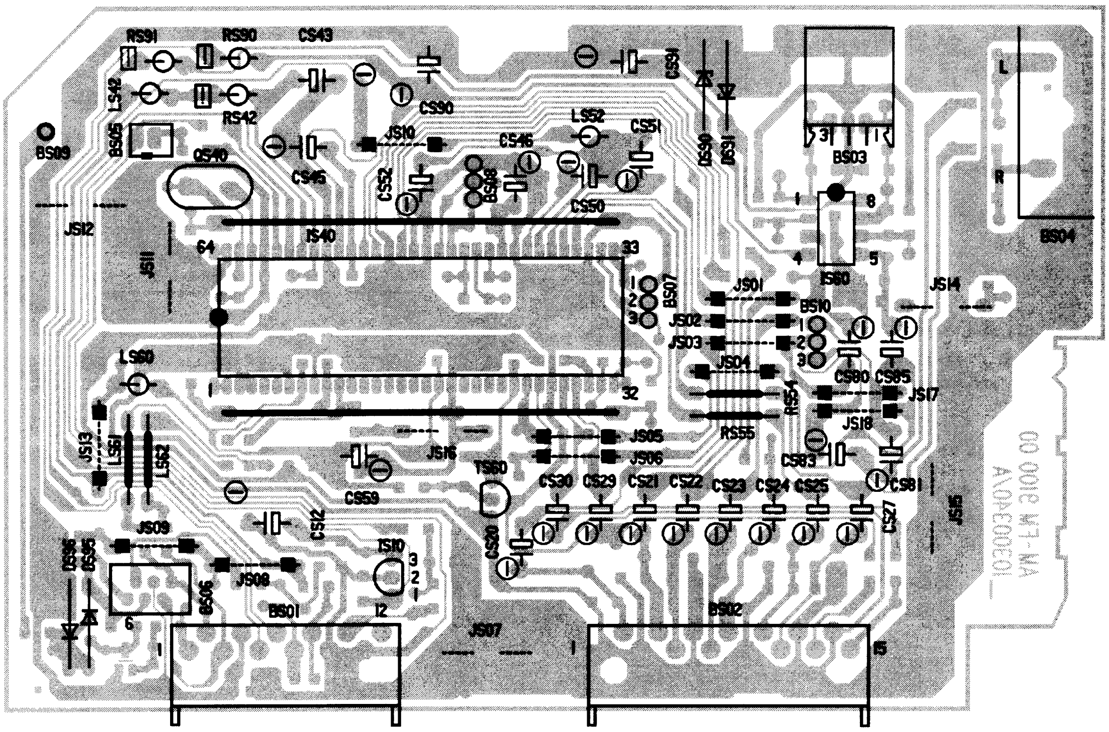

AM / FM 9100 00
AM / FM 9101 00
AM / FM 9102 00
AM / FM 9103 00
AM / FM 9104 00
AM / FM 9105 00
AMFM
IS40
*
MSP3410
SBUS Interface
I2S Interface
DEMODULATOR
DFP
IDENT
SCART Switching Facilities
IS10
MC78L08-ACP
+8V
BS06*
TO NI 9000
BS05*
QS40
18.432MHz
TS60
MN1381-S
TS95
BC848B
IS60
MC33076
HEAD_L
HEAD_R
BS03
BS04
JS17
JS18
SPECIFIC AM / FM 9104 - AM / FM 9105
BS09
MUTE
IIC_DATA
IIC_CLK
SIF
ANA-
AM_AF
AV1_IN_L
AV1_IN_R
AV2_IN_L
AV2_IN_R
AV_OUT_R
AV_OUT_L
MAIN_L
MAIN_R
-20V
BS01
BS02
BA01
BA02
* REFER TO TABLE
" MAIN BOARD "

* TABLE

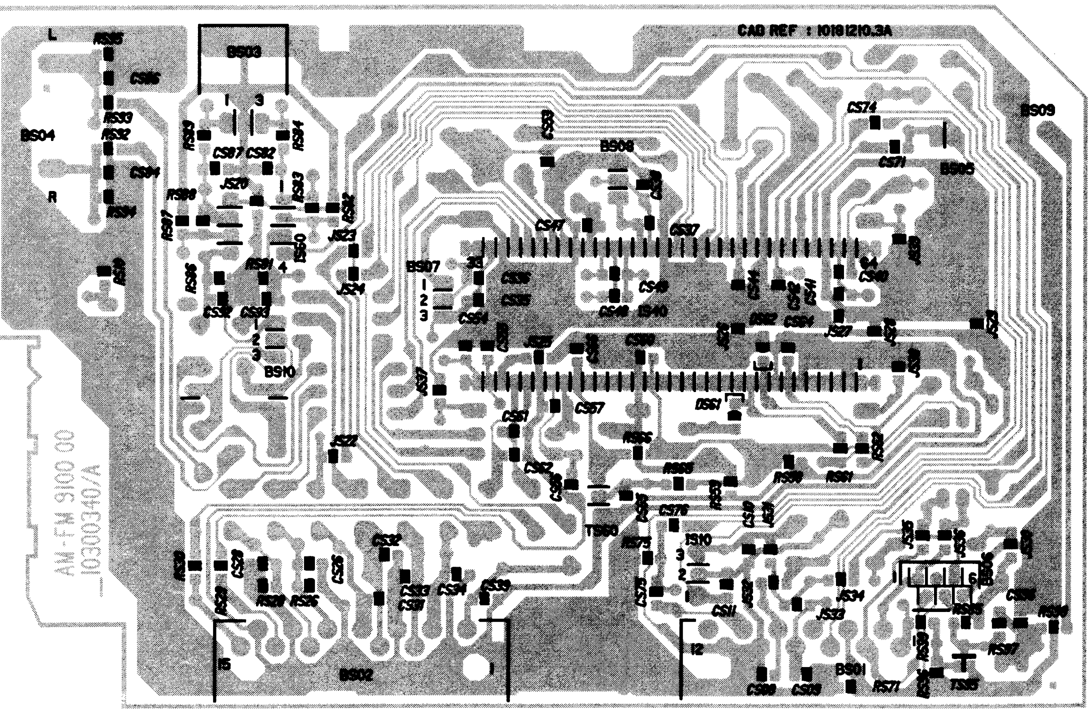
*	IS40	BS04	BS05	BS06	JS32	JS33	CS40	CS41
AM/FM 9100	MSP3400C	—	—	—	×	×	—	—
AM/FM 9101	MSP3410	—	—	—	×	×	1p	1p
AM/FM 9102	MSP3400C	—	×	×	—	—	—	—
AM/FM 9103	MSP3410	—	×	×	—	—	1p	1p
AM/FM 9104	MSP3410	×	—	×	×	×	3p3	3p3
AM/FM 9105	MSP3410	×	×	×	—	—	3p3	3p3

AM / FM 9101 - 9102 - 9103 - 9104 - 9105

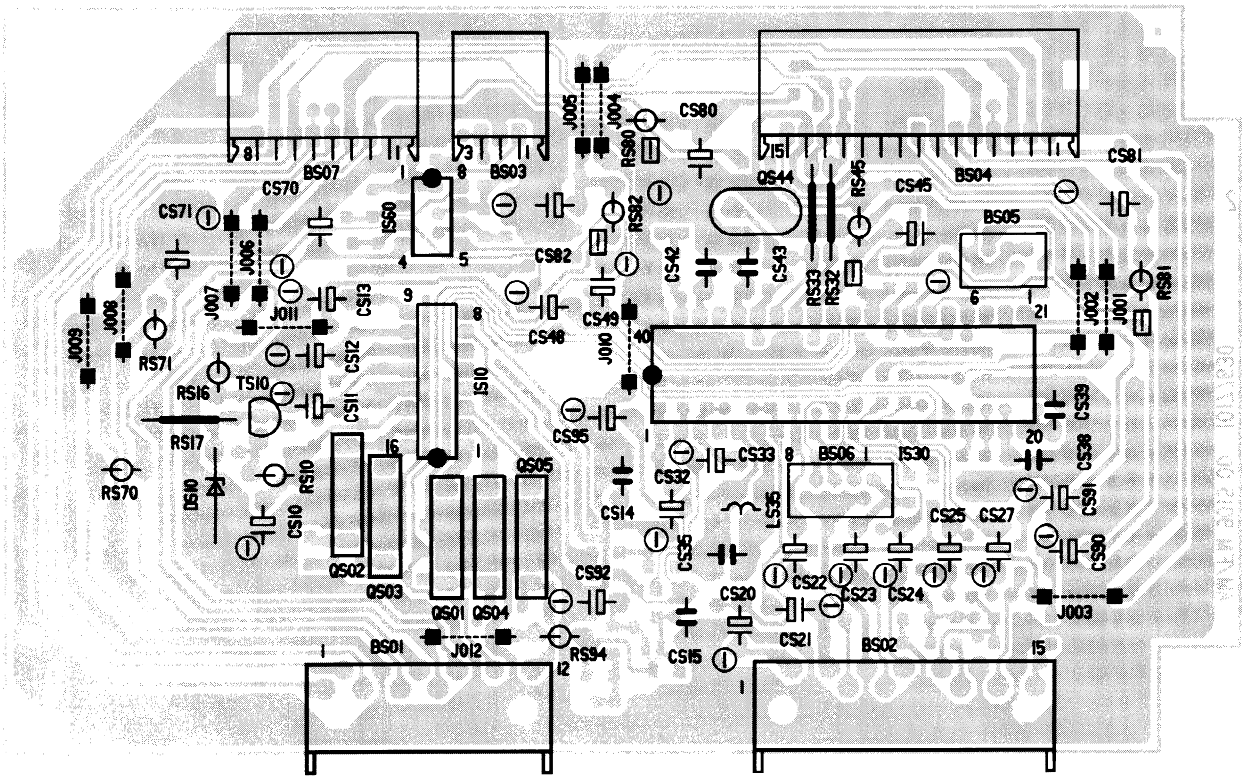
COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES


RS91
RS90
CS43
LS42
RS42
CS90
CS91
DS90
DS91
BS03
BS05
BS09
QS40
CS45
JS10
CS52
CS46
BS48
LS52
CS51
CS50
L
R
BS04
JS12
JS11
64
IS40
33
1
8
4
5
IS60
JS14
BS07
JS01
BS10
JS02
JS03
JS04
CS80
CS85
JS17
RS54
RS55
JS18
LS60
32
JS13
LS61
LS62
JS05
JS06
JS16
CS83
CS81
TS60
CS59
CS30
CS29
CS21
CS22
CS23
CS24
CS25
CS27
JS15
CS12
CS60
JS09
DS36
DS35
BS06
IS10
3
2
JS08
6
BS01
12
BS02
1
15
JS07
AM-FM 9100 00
I0300340/A

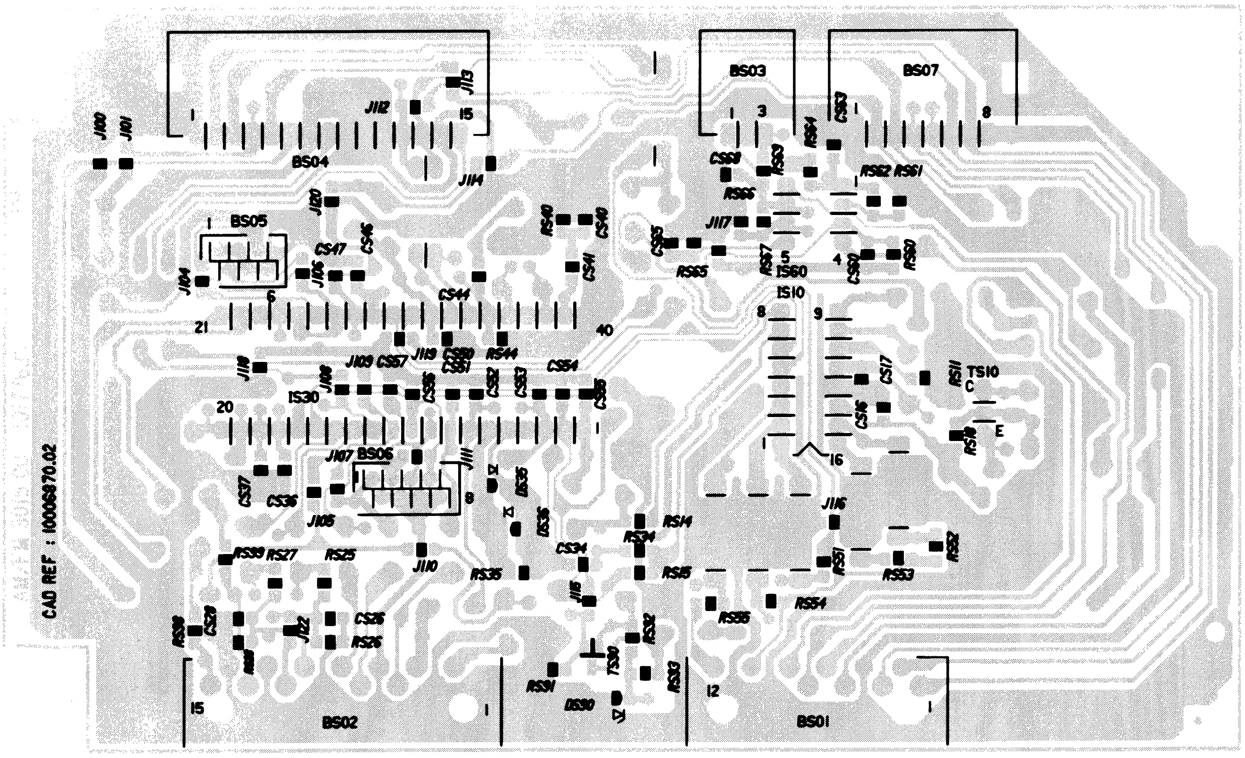
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - SALDATURE - LADO SOLDADURAS


CAD REF : I0181210.3A
L
R
BS03
BS04
RS35
CS86
RS33
RS32
CS84
RS34
RS93
CS87
CS82
RS94
JS20
RS83
RS92
RS97
RS50
JS23
JS24
RS51
CS92
CS93
BS10
BS07
BS06
CS58
CS74
CS71
BS09
BS05
CS47
CS57
CS40
CS48
IS40
CS54
CS56
JS27
JS22
CS61
CS57
DS61
RS66
RS60
RS90
RS61
TS60
CS70
IS10
CS32
CS33
CS31
CS34
CS39
RS28
RS26
JS33
JS34
CS11
CS75
CS80
CS09
RS71
TS85
BS02
BS01
15
12
AM-FM 9100 00
I0300340/A

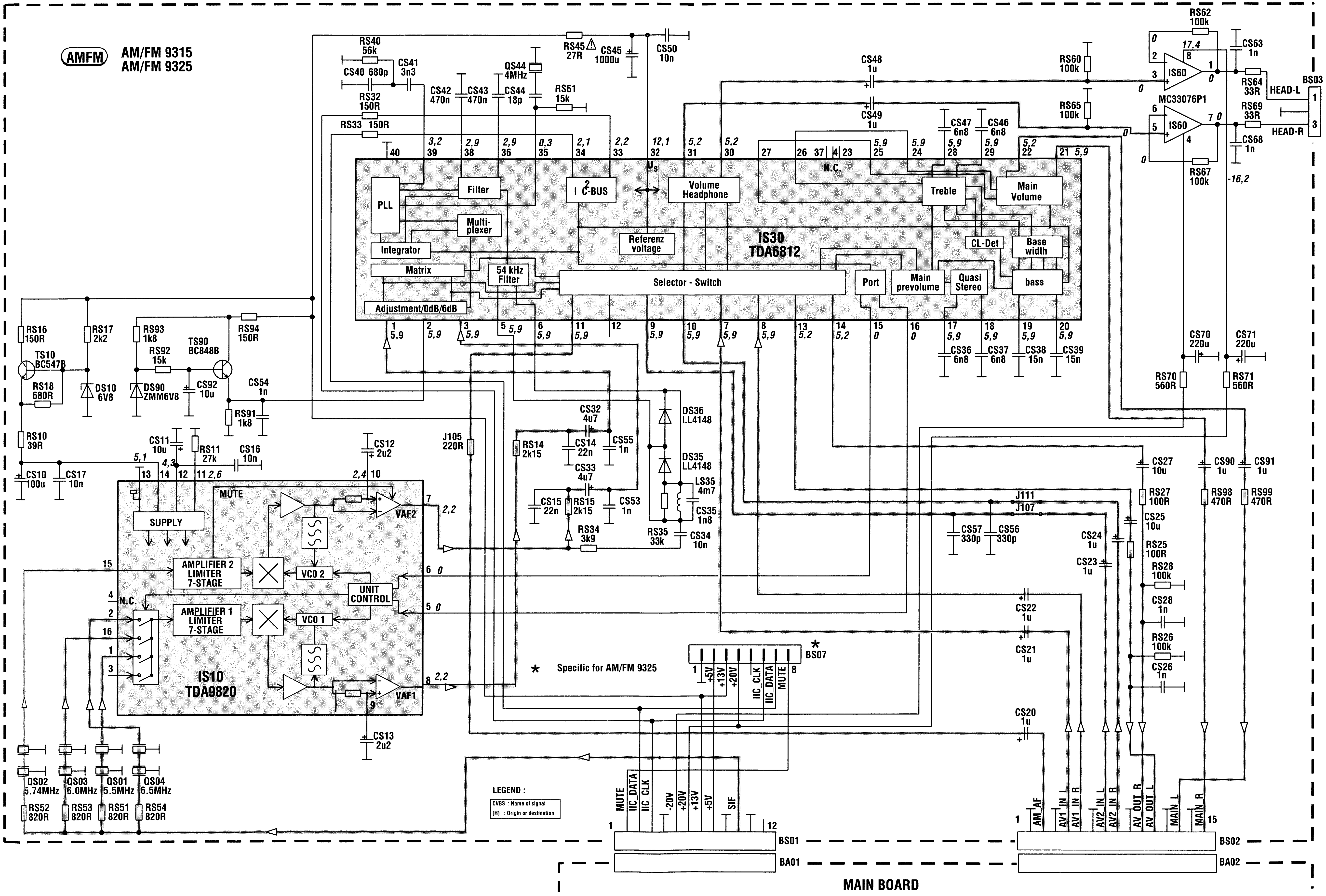
COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES


BS07
BS03
J005
J004
RS80
CS80
BS04
CS81
BS05
CS70
CS71
IS60
RS82
QS44
RS45
CS45
J006
J007
J008
J009
RS71
J011
CS13
CS12
CS11
CS82
CS48
CS49
J010
CS42
CS43
RS33
RS32
J002
J001
RS81
RS16
TS10
RS17
IS10
CS95
CS39
CS38
RS70
DS10
RS10
CS10
I6
QS05
CS14
CS32
CS33
BS06
IS30
CS91
LS35
CS35
CS25
CS27
CS90
QS02
QS03
QS01
QS04
CS92
CS22
CS23
CS24
CS20
CS21
J003
BS01
J012
RS94
CS15
BS02

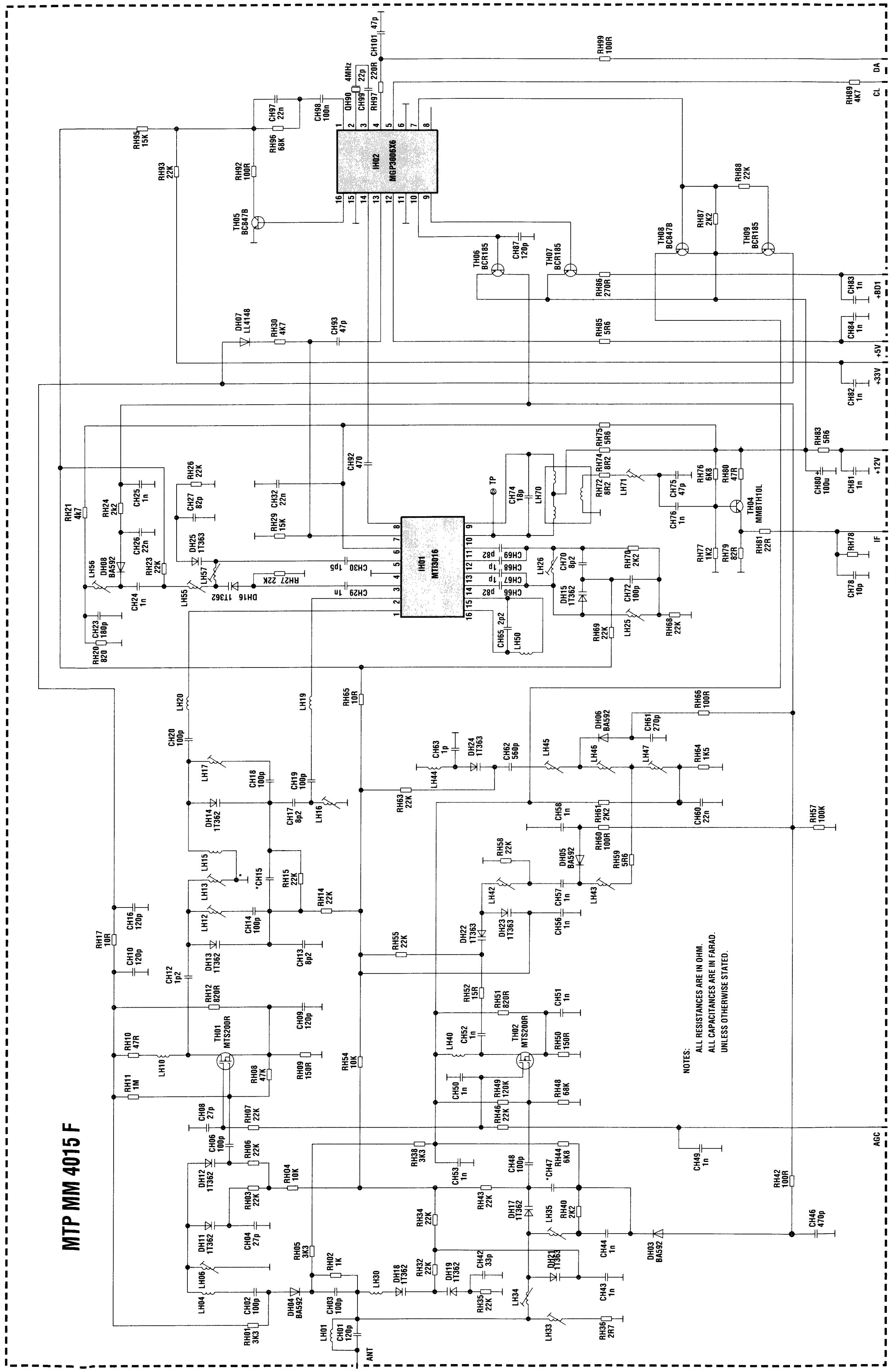
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - SALDATURE - LADO SOLDADURAS


J100
J101
J112
J113
BS04
J114
BS03
BS07
CS63
RS64
RS62
RS61
RS66
J117
J120
BS05
CS47
CS46
RS40
CS40
CS41
J104
J106
CS44
RS57
IS60
IS10
CS60
RS60
J118
J109
CS57
J119
RS44
CS54
IS30
CS36
CS37
J107
BS06
J108
J111
DS35
DS36
CS17
RS11
TS10
CS16
RS10
J116
RS14
RS34
CS34
RS33
RS27
RS25
J110
RS35
J115
RS15
RS51
RS53
RS52
RS54
RS55
CS28
J122
CS26
RS26
RS32
TS30
RS33
RS31
DS30
BS02
BS01
CAD REF : 10006870.02

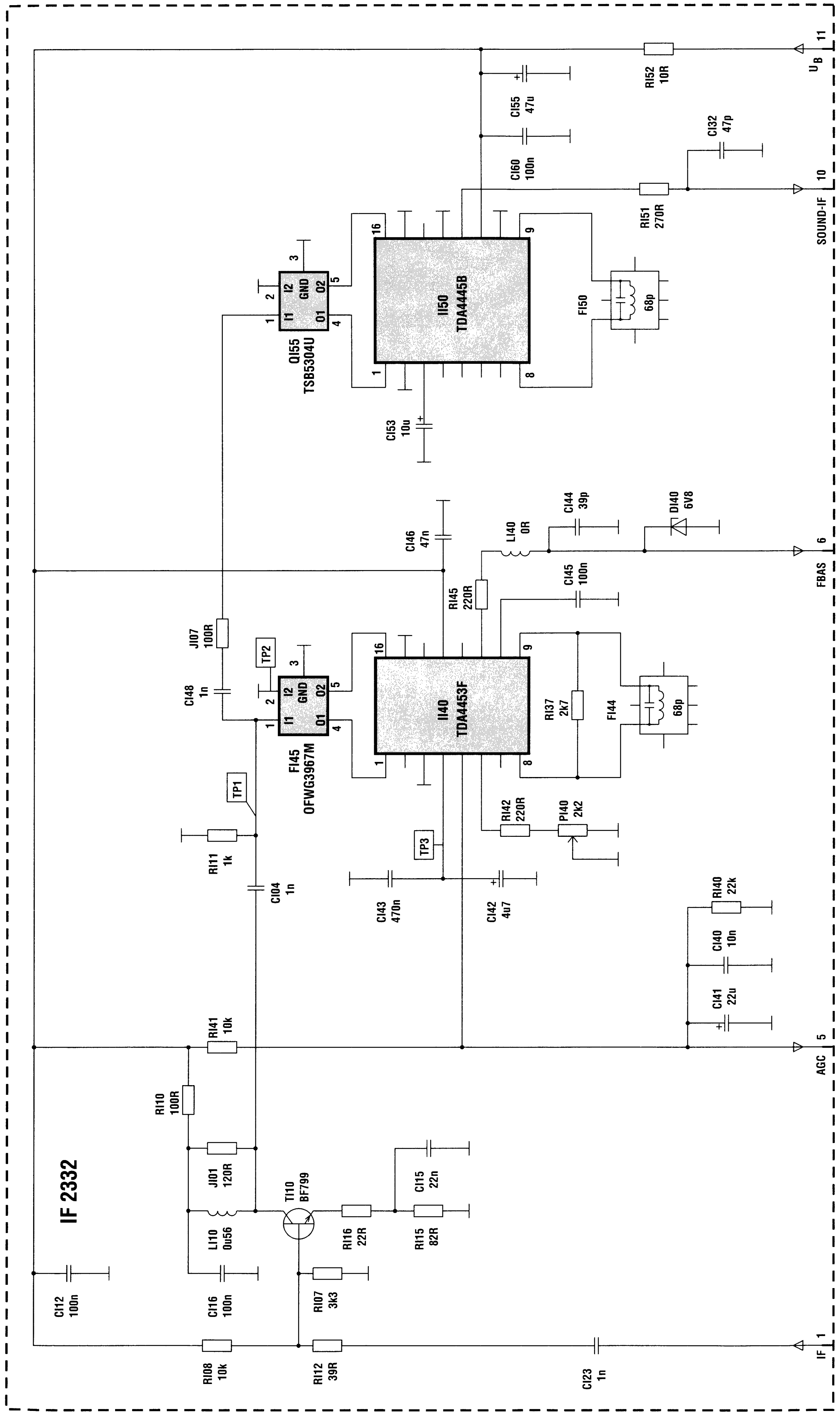
AUDIO MODULE - MODULE AUDIO -TON SIGNAL BAUSTEIN - MODULO AUDIO - MÓDULO AUDIO (AM / FM 9315)


AMFM
AM/FM 9315
AM/FM 9325
IS30
TDA6812
PLL
Filter
I²C-BUS
Volume Headphone
Treble
Main Volume
Multi-plexer
Integrator
Referenz voltage
CL-Det
Base width
Matrix
54 kHz Filter
Selector - Switch
Port
Main prevolume
Quasi Stereo
bass
Adjustment/0dB/6dB
N.C.
Us
IS10
TDA9820
MUTE
SUPPLY
AMPLIFIER 2 LIMITER 7-STAGE
AMPLIFIER 1 LIMITER 7-STAGE
VCO 2
VCO 1
UNIT CONTROL
VAF2
VAF1
N.C.
IS60
MC33076P1
HEAD-L
HEAD-R
BS03
BS07
* Specific for AM/FM 9325
+5V
+13V
+20V
IIC_CLK
IIC_DATA
MUTE
LEGEND :
CVBS : Name of signal
(H) : Origin or destination
MUTE
IIC_DATA
IIC_CLK
-20V
+20V
+13V
+5V
SIF
AM_AF
AV1_IN_L
AV1_IN_R
AV2_IN_L
AV2_IN_R
AV_OUT_R
AV_OUT_L
MAIN_L
MAIN_R
BS01
BS02
BA01
BA02
MAIN BOARD
RS40 56k
CS40 680p
CS41 3n3
RS32 150R
RS33 150R
CS42 470n
CS43 470n
QS44 4MHz
CS44 18p
RS45 27R
CS45 1000u
CS50 10n
RS61 15k
CS48 1u
CS49 1u
CS47 6n8
CS46 6n8
RS60 100k
RS65 100k
RS62 100k
CS63 1n
RS64 33R
RS69 33R
CS68 1n
RS67 100k
RS16 150R
RS17 2k2
TS10 BC547B
RS18 680R
DS10 6V8
RS93 1k8
RS92 15k
TS90 BC848B
RS94 150R
DS90 ZMM6V8
CS92 10u
CS54 1n
RS91 1k8
RS10 39R
CS10 100u
CS17 10n
CS11 10u
RS11 27k
CS16 10n
CS12 2u2
CS13 2u2
J105 220R
RS14 2k15
CS32 4u7
CS14 22n
CS55 1n
CS33 4u7
CS15 22n
RS15 2k15
CS53 1n
RS34 3k9
RS35 33k
CS34 10n
DS36 LL4148
DS35 LL4148
LS35 4m7
CS35 1n8
CS36 6n8
CS37 6n8
CS38 15n
CS39 15n
CS70 220u
CS71 220u
RS70 560R
RS71 560R
CS27 10u
CS90 1u
CS91 1u
RS27 100R
RS98 470R
RS99 470R
CS25 10u
RS25 100R
RS28 100k
CS28 1n
RS26 100k
CS26 1n
CS24 1u
CS23 1u
CS22 1u
CS21 1u
CS20 1u
J111
J107
CS57 330p
CS56 330p
QS02 5.74MHz
QS03 6.0MHz
QS01 5.5MHz
QS04 6.5MHz
RS52 820R
RS53 820R
RS51 820R
RS54 820R

VHF / UHF TUNER MTP 4015 F (For information only)

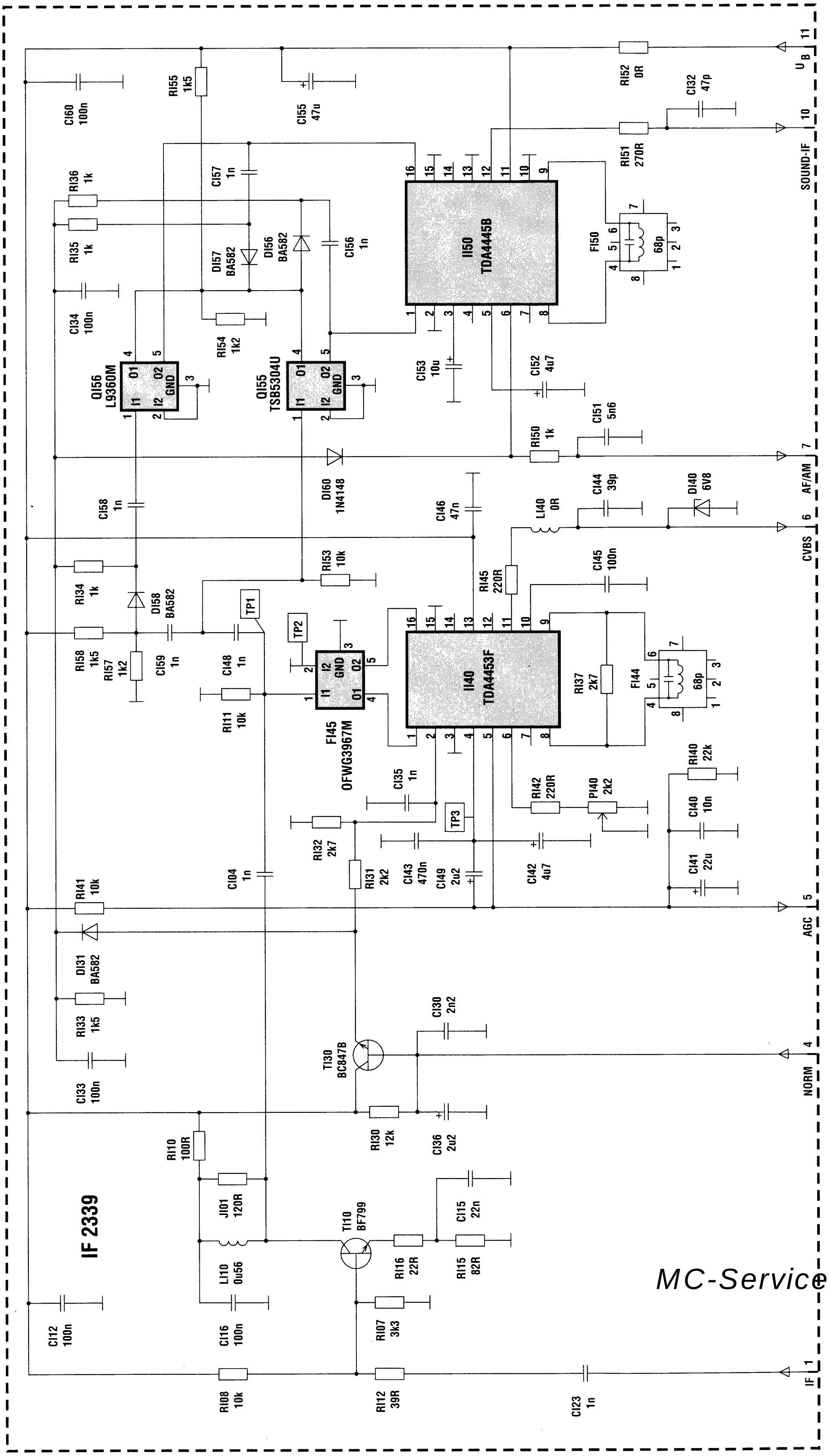

MTP MM 4015 F
IH02
MGP3006X6
IH01
MT3016
NOTES:
ALL RESISTANCES ARE IN OHM.
ALL CAPACITANCES ARE IN FARAD.
UNLESS OTHERWISE STATED.
DA
CL
+BD1
+5V
+33V
+12V
IF
AGC
ANT
TP

IF AMPLIFIER - AMPLIFICATEUR FI - ZF VERSTÄRKER
AMPLIFICATORE FI - AMPLIFICADOR FI
IF 2332

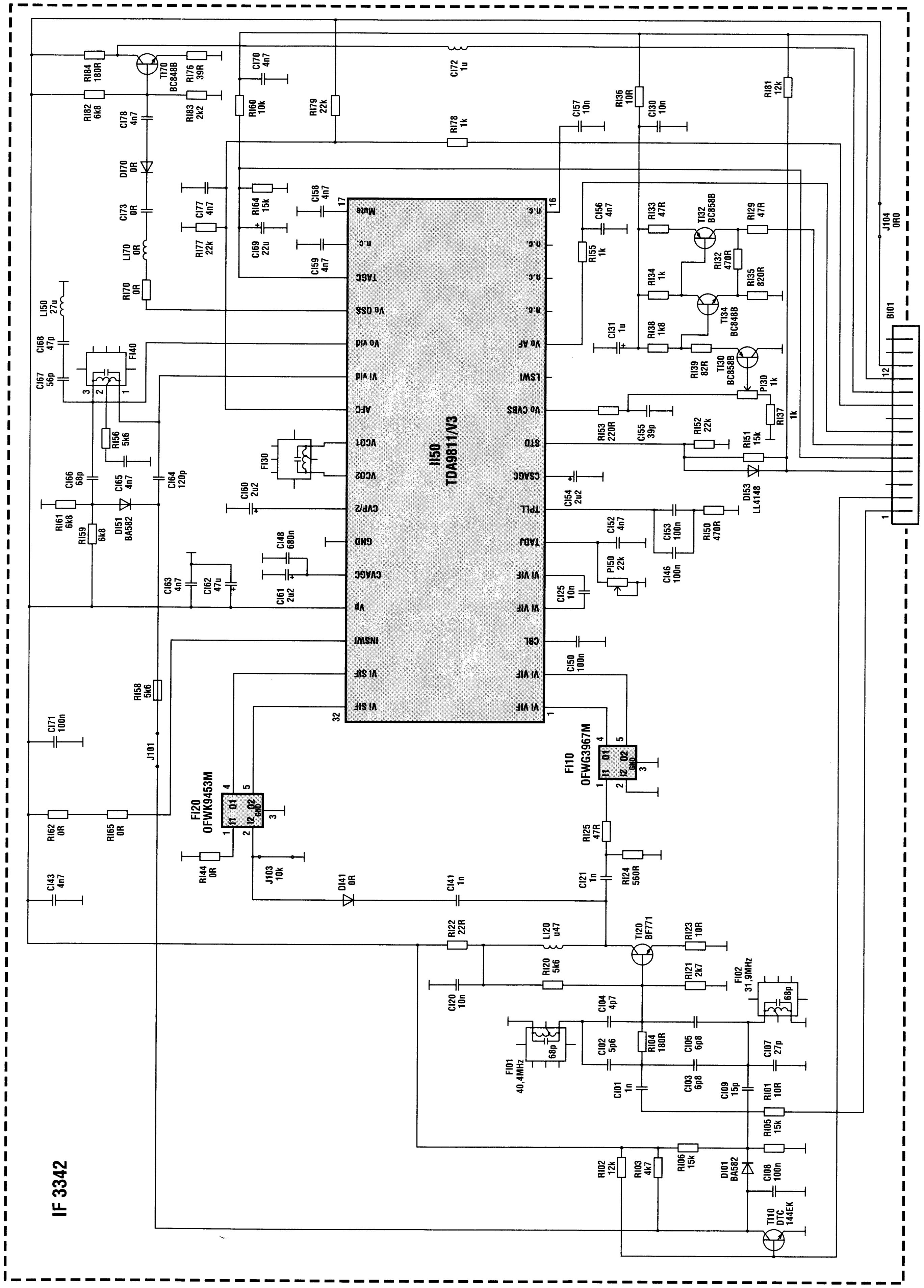

IF 2332
I150
TDA4445B
I140
TDA4453F
QI55
TSB5304U
FI45
OFWG3967M
FI50
FI44
T110
BF799
RI52 10R
CI55 47u
CI60 100n
CI32 47p
RI51 270R
CI53 10u
CI46 47n
LI40 0R
CI44 39p
DI40 6V8
CI45 100n
RI45 220R
JI07 100R
CI48 1n
RI37 2k7
RI42 220R
PI40 2k2
RI11 1k
CI04 1n
CI43 470n
CI42 4u7
RI40 22k
CI40 10n
CI41 22u
RI41 10k
RI10 100R
JI01 120R
LI10 0u56
CI16 100n
CI12 100n
RI16 22R
RI15 82R
CI15 22n
RI07 3k3
RI08 10k
RI12 39R
CI23 1n
68p
TP1
TP2
TP3
I1
I2
GND
O1
O2
UB
SOUND-IF
FBAS
AGC
IF
11
10
6
5
1

IF AMPLIFIER - AMPLIFICATEUR FI - ZF VERSTÄRKER - AMPLIFICATORE FI - AMPLIFICAD

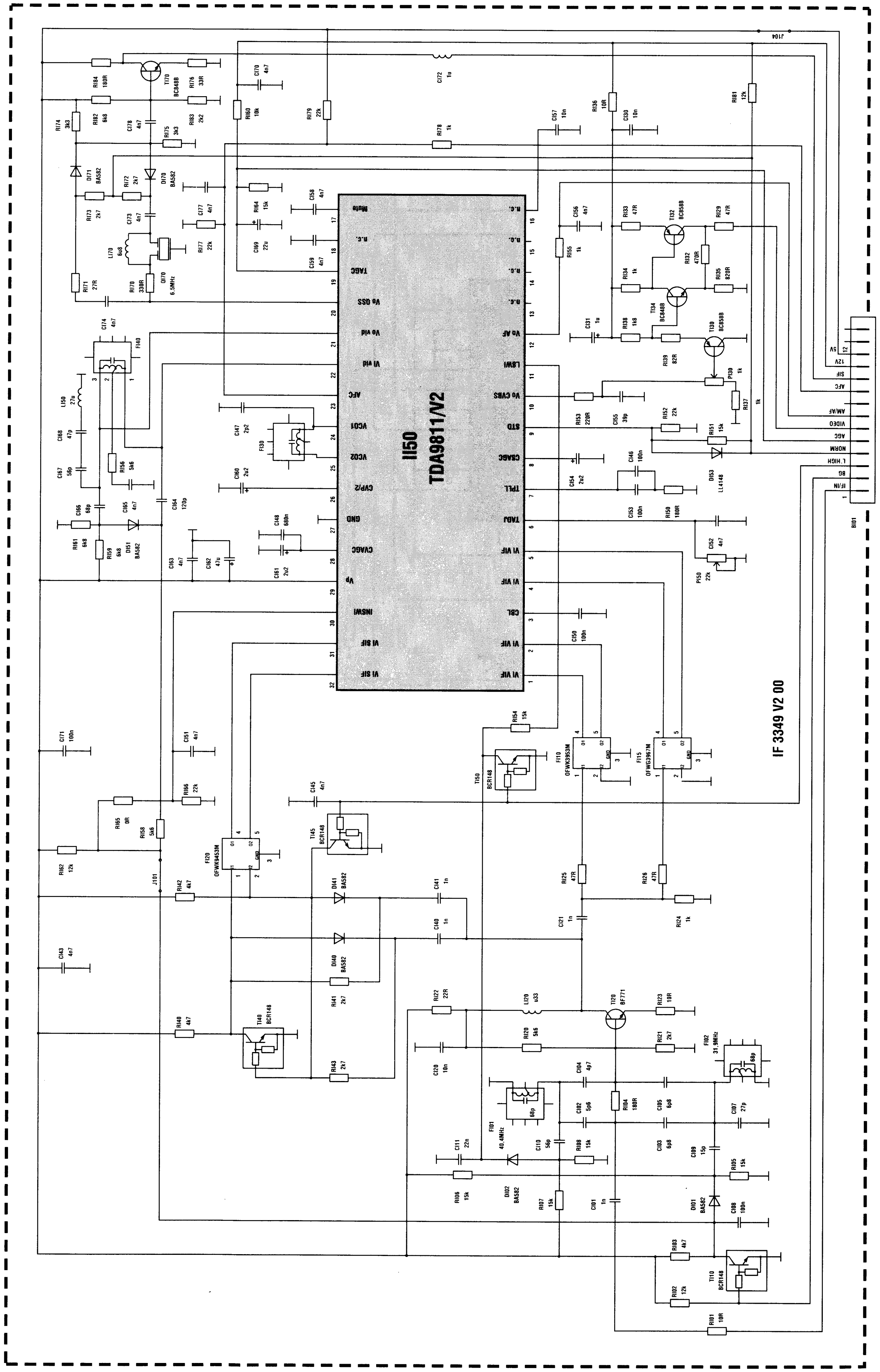
IF2339


IF 2339
U_B 11
SOUND-IF 10
AF/AM 7
CVBS 6
AGC 5
NORM 4
IF 1
RI52 0R
CI32 47p
RI51 270R
CI60 100n
RI55 1k5
CI55 47u
CI57 1n
RI36 1k
RI35 1k
DI57 BA582
DI56 BA582
CI56 1n
CI34 100n
II50 TDA4445B
FI50 68p
RI54 1k2
QI56 L9360M
QI55 TSB5304U
CI53 10u
CI52 4u7
CI51 5n6
RI50 1k
DI60 1N4148
CI58 1n
CI46 47n
LI40 0R
CI44 39p
DI40 6V8
RI53 10k
RI45 220R
CI45 100n
RI34 1k
DI58 BA582
TP1
TP2
TP3
RI58 1k5
RI57 1k2
CI59 1n
CI48 1n
RI11 10k
FI45 OFWG3967M
II40 TDA4453F
RI37 2k7
FI44 68p
CI35 1n
RI42 220R
PI40 2k2
RI40 22k
CI40 10n
RI32 2k7
RI31 2k2
CI43 470n
CI49 2u2
CI42 4u7
CI41 22u
CI04 1n
RI41 10k
DI31 BA582
RI33 1k5
CI30 2n2
TI30 BC847B
CI33 100n
RI30 12k
CI36 2u2
RI10 100R
JI01 120R
TI10 BF799
CI15 22n
RI16 22R
RI15 82R
LI10 0u56
CI12 100n
CI16 100n
RI07 3k3
RI08 10k
RI12 39R
CI23 1n
MC-Service

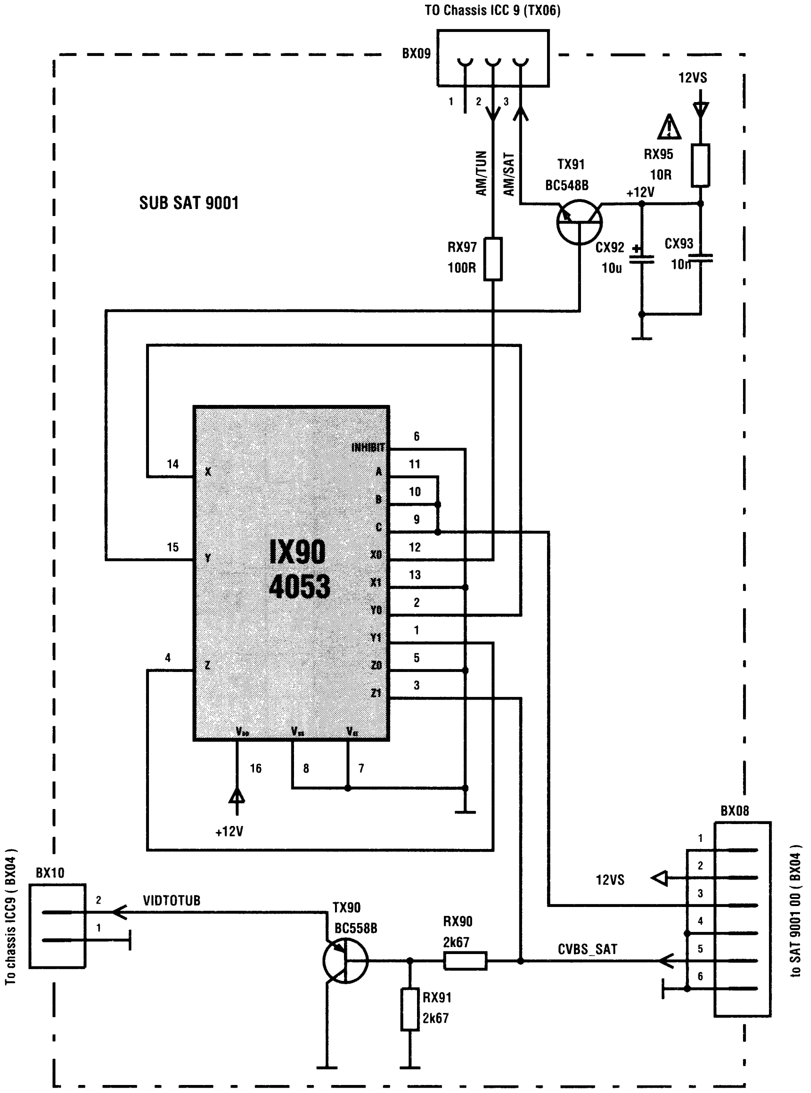
IF 3342


I150
TDA9811/V3
Mute
n.c.
TAGC
Vo CSS
Vo vid
Vi vid
AFC
VCO1
VCO2
CVP/2
GND
CVAGC
Vp
INSWI
Vi SIF
Vi SIF
Vi VIF
Vi VIF
CBL
Vi VIF
Vi VIF
TADJ
TPLL
CSAGC
STD
Vo CVBS
LSWI
Vo AF
n.c.
n.c.
n.c.
n.c.
T170 BC848B
T132 BC858B
T134 BC848B
T130 BC858B
T120 BF771
T110 DTC 144EK
FI10 OFWG3967M
FI20 OFWK9453M
FI01 40,4MHz
FI02 31,9MHz
FI30
FI40
J104 0R0
J101
J103 10k
BI01
5V
12V
SIF
AFC
AM/AF
VIDEO
AGC
NORM
IF/IN
R184 180R
R182 6k8
R176 39R
R183 2k2
C170 4n7
C172 1u
R160 10k
R179 22k
R178 1k
C157 10n
R136 10R
C130 10n
R181 12k
C178 4n7
D170 0R
C173 0R
L170 0R
R170 0R
L150 27u
C168 47p
C167 56p
R156 5k6
C166 68p
C165 4n7
C164 120p
R161 6k8
R159 6k8
D151 BA582
C177 4n7
R177 22k
R164 15k
C169 22u
C158 4n7
C159 4n7
C160 2u2
C148 680n
C161 2u2
C163 4n7
C162 47u
C156 4n7
R155 1k
R133 47R
R134 1k
R132 470R
R129 47R
R135 820R
C131 1u
R138 1k8
R139 82R
PI30 1k
R137 1k
R153 220R
C155 39p
R152 22k
R151 15k
D153 LL4148
C154 2u2
C152 4n7
C153 100n
R150 470R
PI50 22k
C146 100n
C125 10n
C150 100n
R158 5k6
C171 100n
R162 0R
R165 0R
R144 0R
D141 0R
C141 1n
C143 4n7
R125 47R
R124 560R
C121 1n
R122 22R
L120 u47
R123 10R
R120 5k6
R121 2k7
C120 10n
C104 4p7
C102 5p6
R104 180R
C105 6p8
C107 27p
C101 1n
C103 6p8
C109 15p
R101 10R
R105 15k
R102 12k
R103 4k7
R106 15k
D101 BA582
C108 100n
IF 3342

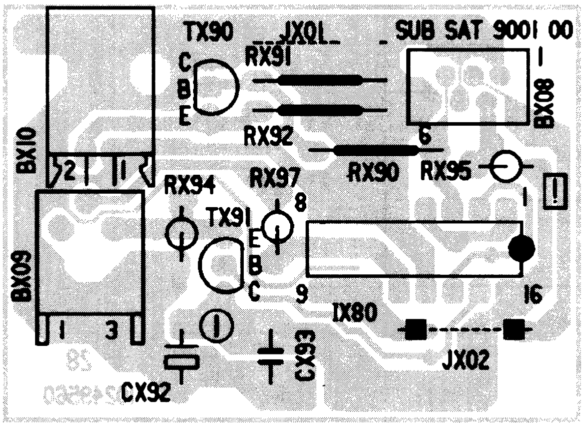
IF 3349 V2


I150
TDA9811/V2
IF 3349 V2 00
T120 BF771
BI01
J104
J101
12V
5V
SIF
AFC
AM/AF
VIDEO
AGC
NORM
L HIGH
SB
IF/IN

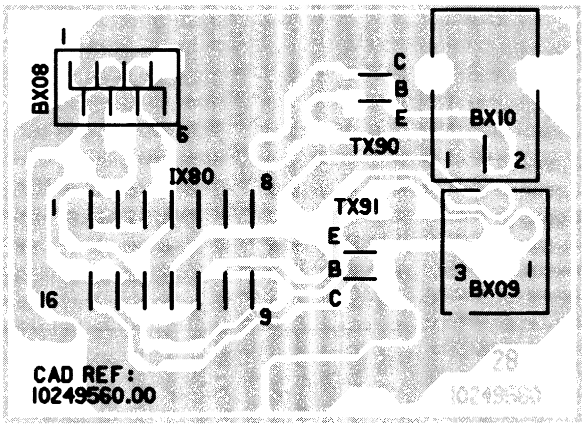
SATELLITE INTERFACE SUB SAT 9001
SATELLITEN INTERFACE SUB SAT 9001


TO Chassis ICC 9 (TX06)
BX09
1 2 3
12VS
RX95
10R
+12V
AM/TUN
AM/SAT
TX91
BC548B
SUB SAT 9001
RX97
100R
CX92
10u
CX93
10n
IX90
4053
INHIBIT
A
B
C
X0
X1
Y0
Y1
Z0
Z1
X
Y
Z
14
15
4
6
11
10
9
12
13
2
1
5
3
16
8
7
+12V
BX08
12VS
CVBS_SAT
to SAT 9001 00 (BX04)
BX10
To chassis ICC9 (BX04)
VIDTOTUB
TX90
BC558B
RX90
2k67
RX91
2k67

COMPONENT SIDE - COTE COMPOSANTS -
BESTÜCKUNGSSEITE - LATO COMPONENTI -
LADO COMPONENTES

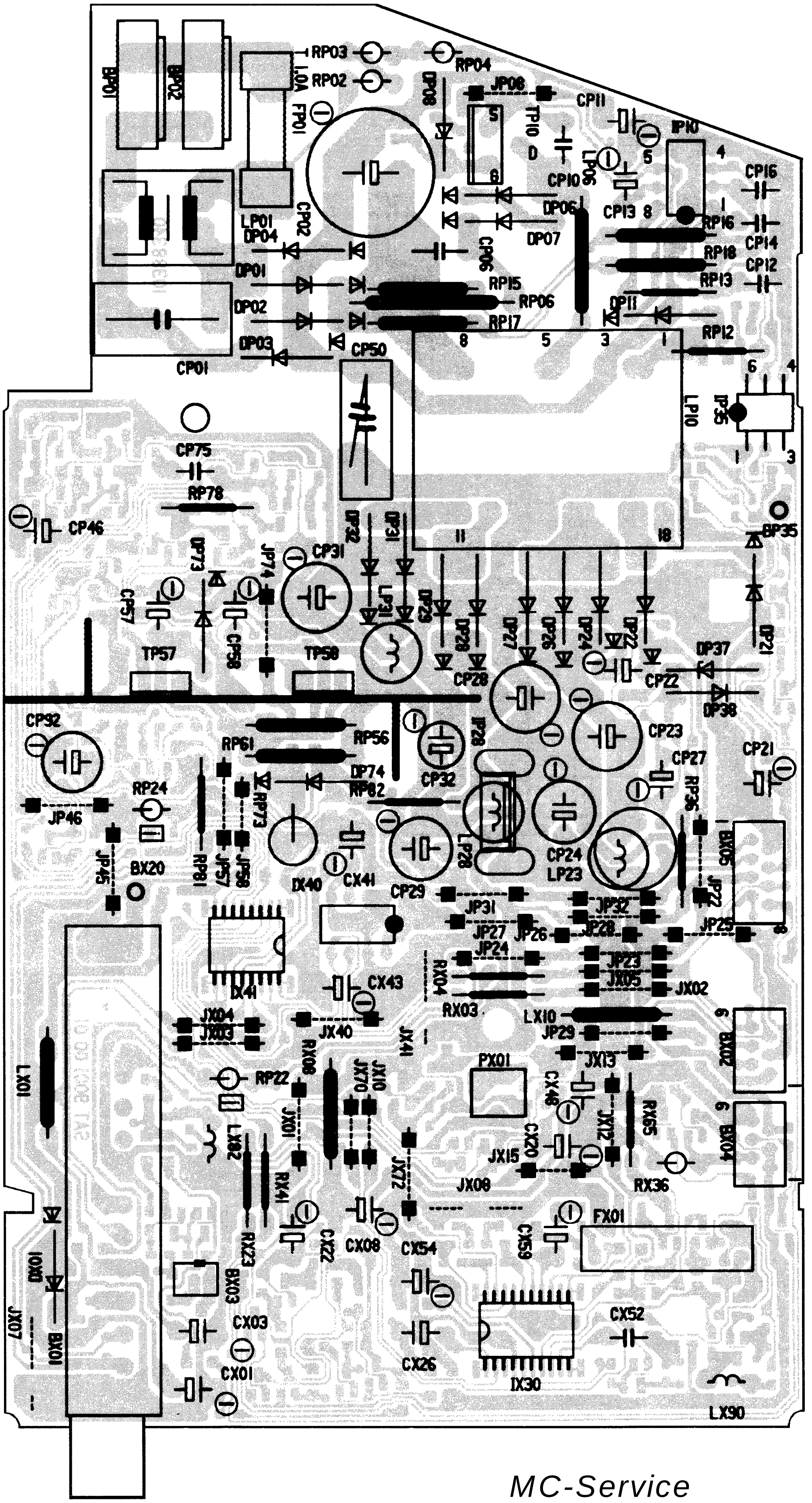

TX90
JX01
SUB SAT 9001 00
RX91
C
B
E
BX08
BX10
RX92
6
RX90
RX95
RX94
RX97
TX91
8
1
E
B
C
9
IX80
16
BX09
1
3
2
1
CX92
CX93
JX02

SOLDER SIDE - CÔTE SOUDURES -
LÖTSEITE SALDATURE -
LADO SOLDADURAS


BX08
1
6
C
B
E
TX90
BX10
1
2
IX80
8
1
TX91
E
B
C
16
9
3
BX09
1
CAD REF :
10249560.00

SATELLITE MODULE - MODULE SATELLITE - SATELLITEN BAUSTEIN - MODULO SA

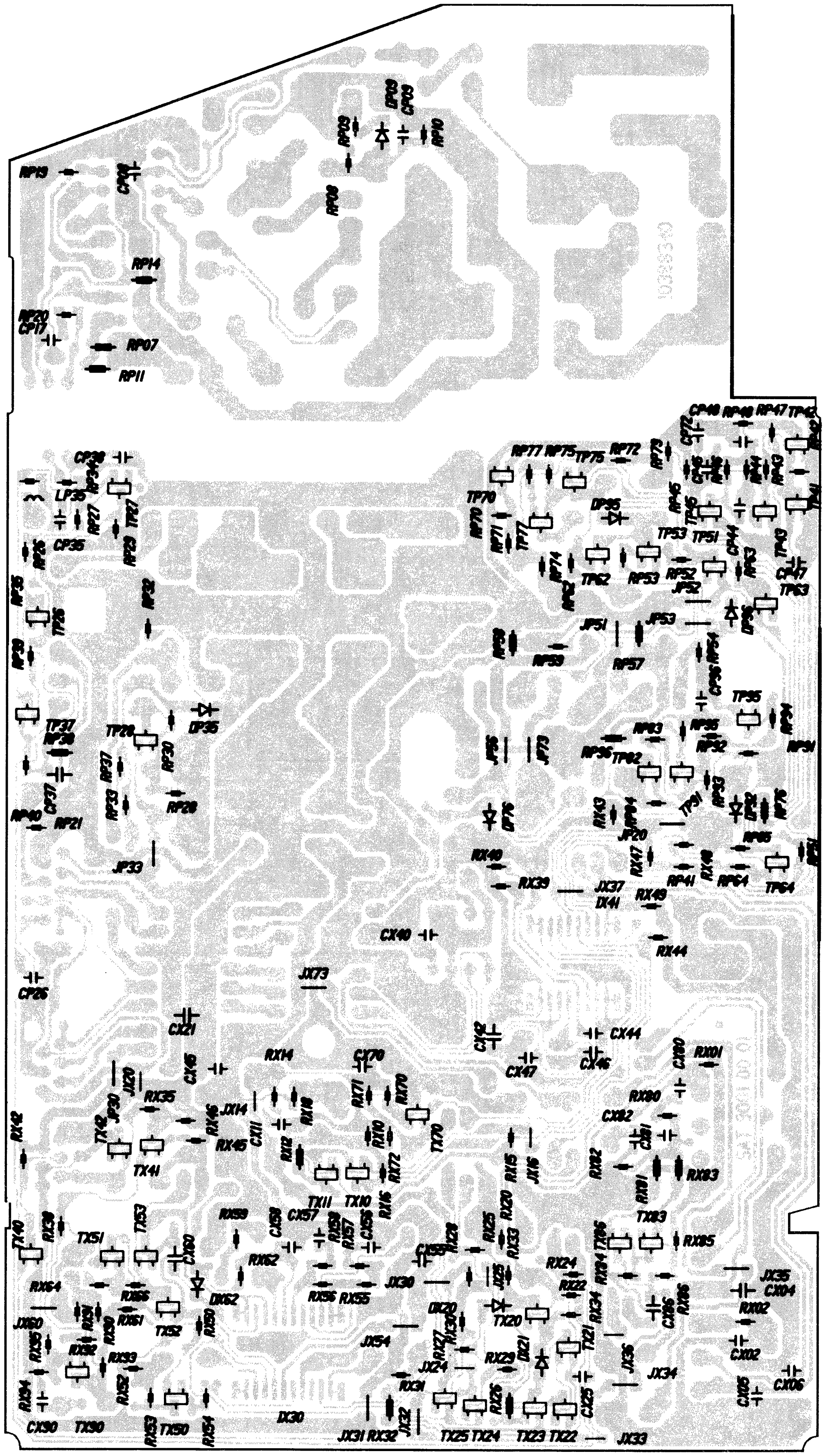
COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES



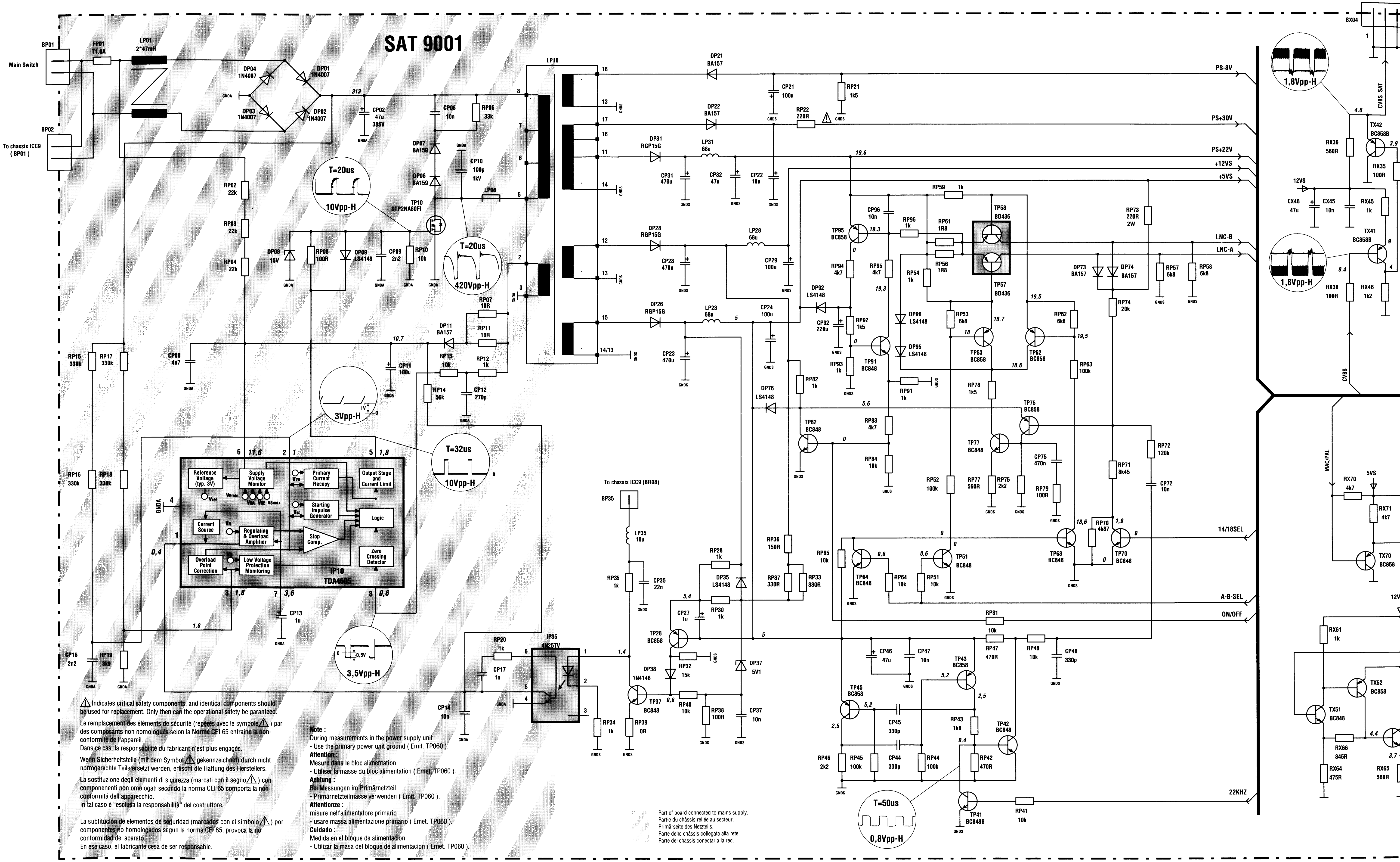
BP01
BP02
RP03
RP02
RP04
1.0A
FP01
DP08
JP08
CP11
TP10
D
S
G
LP06
CP10
CP13
IP10
CP16
RP16
CP14
RP18
CP12
RP13
RP12
LP01
DP04
CP02
CP06
DP06
DP07
DP01
DP02
DP03
RP15
RP06
RP17
DP11
CP01
CP50
8
5
3
1
6
4
LP10
JP35
CP75
RP78
CP46
11
18
BP35
DP32
DP31
DP73
JP74
CP31
CP57
CP58
TP57
TP58
LP31
DP29
DP28
DP27
DP26
DP24
DP22
DP21
DP37
DP38
CP28
CP22
CP23
CP92
RP61
RP56
DP74
RP82
CP32
JP28
CP27
CP21
RP24
JP46
JP45
BX20
RP81
JP57
JP58
RP73
IX40
CX41
LP28
CP24
LP23
RP36
BX05
JP22
CP29
JP31
JP32
JP27
JP26
JP20
JP25
JP24
IX41
CX43
RX04
RX03
JP23
JX05
JX02
JX04
JX03
JX40
JX41
LX10
JP29
BX02
JX13
LX01
RX08
JX10
JX70
PX01
CX48
RP22
JX01
JX12
RX65
LX02
CX20
JX15
BX04
RX41
JX72
JX09
RX36
CX22
CX08
CX54
CX59
FX01
DX01
RX23
BX03
JX07
BX01
CX03
CX01
CX26
IX30
CX52
LX90

ATELLITE - MÓDULO SATELITE

SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - SALDATURE - LADO SOLDADURAS


RP19
CP20
RP09
DP10
CP10
RP10
RP08
RP14
RP20
CP17
RP07
RP11
CP38
LP35
RP27
TP27
CP35
RP26
RP29
RP35
TP26
RP32
RP39
TP37
RP38
TP28
RP30
DP35
CP37
RP37
RP33
RP28
RP40
RP21
JP33
CP48
RP48
RP47
TP42
RP77
RP75
TP75
RP72
TP70
RP70
RP71
TP77
DP36
TP53
TP51
CP44
TP43
RP74
TP62
RP53
RP52
JP52
CP47
TP63
JP51
JP53
RP59
RP57
TP95
RP83
RP82
RP96
TP92
RP94
RP93
RX43
JP20
RP41
RP64
TP64
RX40
RX39
JX37
DX41
RX49
RX44
CX40
JX73
CP26
CX21
CX42
CX44
CX47
CX46
CX100
RX101
RX14
CX70
RX35
JX20
JP30
TX42
TX41
RX46
JX14
RX45
CX11
RX12
RX71
RX70
TX70
RX10
RX72
TX11
TX10
RX16
RX15
JX16
RX42
RX80
CX82
CX81
RX82
RX81
RX83
TX40
RX38
TX51
TX53
CX60
RX59
CX58
CX57
RX58
RX57
CX56
RX26
RX25
RX20
RX33
TX83
TX86
RX85
RX64
RX62
DX62
CX55
RX56
RX55
JX30
RX24
RX22
JX35
CX104
RX66
RX61
TX52
RX60
DX20
TX20
RX34
CX86
RX86
RX102
JX60
RX51
RX65
RX50
JX54
RX27
RX30
RX29
DX21
TX21
JX36
CX102
RX92
RX93
JX24
JX34
RX54
RX52
RX31
RX126
CX25
CX105
CX106
CX90
TX90
RX53
TX50
RX54
JX30
JX31
RX32
JX32
TX25
TX24
TX23
TX22
JX33

SATELLITE MODULE - MODULE SATELLITE - SATELLITEN BAUSTEIN - MODULO SATELLITE - MÓDULO SATELTE


SAT 9001
Main Switch
BP01
BP02
To chassis ICC9 (BP01)
FP01 T1.0A
LP01 2*47mH
DP04 1N4007
DP01 1N4007
DP03 1N4007
DP02 1N4007
CP02 47u 385V
CP06 10n
RP06 33k
DP07 BA159
DP06 BA159
CP10 100p 1kV
TP10 STP2NA60FI
LP06
LP10
T=20us
10Vpp-H
420Vpp-H
DP08 15V
RP08 100R
DP09 LS4148
CP09 2n2
RP10 10k
RP07 10R
DP11 BA157
RP11 10R
RP13 10k
RP12 1k
CP11 100u
RP14 56k
CP12 270p
CP08 4n7
RP02 22k
RP03 22k
RP04 22k
RP15 330k
RP17 330k
RP16 330k
RP18 330k
CP16 2n2
RP19 3k9
3Vpp-H
T=32us
10Vpp-H
3,5Vpp-H
Reference Voltage (typ. 3V)
Supply Voltage Monitor
Primary Current Recopy
Output Stage and Current Limit
Starting Impulse Generator
Current Source
Regulating & Overload Amplifier
Logic
Stop Comp.
Zero Crossing Detector
Overload Point Correction
Low Voltage Protection Monitoring
IP10 TDA4605
CP13 1u
RP20 1k
CP17 1n
CP14 10n
IP35 4N25TV
DP21 BA157
DP22 BA157
DP31 RGP15G
LP31 68u
DP28 RGP15G
LP28 68u
DP26 RGP15G
LP23 68u
CP21 100u
RP21 1k5
RP22 220R
CP31 470u
CP32 47u
CP22 10u
CP28 470u
CP29 100u
CP23 470u
CP24 100u
PS-8V
PS+30V
PS+22V
+12VS
+5VS
LNC-B
LNC-A
14/18SEL
A-B-SEL
ON/OFF
22KHZ
TP58 BD436
TP57 BD436
TP95 BC858
TP91 BC848
TP53 BC858
TP62 BC858
TP75 BC858
TP77 BC848
TP82 BC848
TP63 BC848
TP70 BC848
TP64 BC848
TP51 BC848
TP28 BC858
TP37 BC848
TP43 BC858
TP45 BC858
TP42 BC848
TP41 BC848B
DP73 BA157
DP74 BA157
RP73 220R 2W
To chassis ICC9 (BR08)
BP35
LP35 10u
DP35 LS4148
DP37 5V1
DP38 1N4148
T=50us
0,8Vpp-H
BX04
to C SUB SAT
1,8Vpp-H
TX42 BC858B
TX41 BC858B
TX70 BC858
TX52 BC858
TX51 BC848
CVBS_SAT
CVBS
MAC/PAL

⚠ Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be garanteed.

Le remplacement des éléments de sécurité (repérés avec le symbole ⚠) par des composants non homologués selon la Norme CEI 65 entraine la non-conformité de l'appareil.
Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) durch nicht normgerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (marcati con il segno ⚠) con componenenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio.
In tal caso é "esclusa la responsabilitá" del costruttore.

La subtitución de elementos de seguridad (marcados con el simbolo ⚠) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato.
En ese caso, el fabricante cesa de ser responsable.

Note :
During measurements in the power supply unit
- Use the primary power unit ground (Emit. TP060).

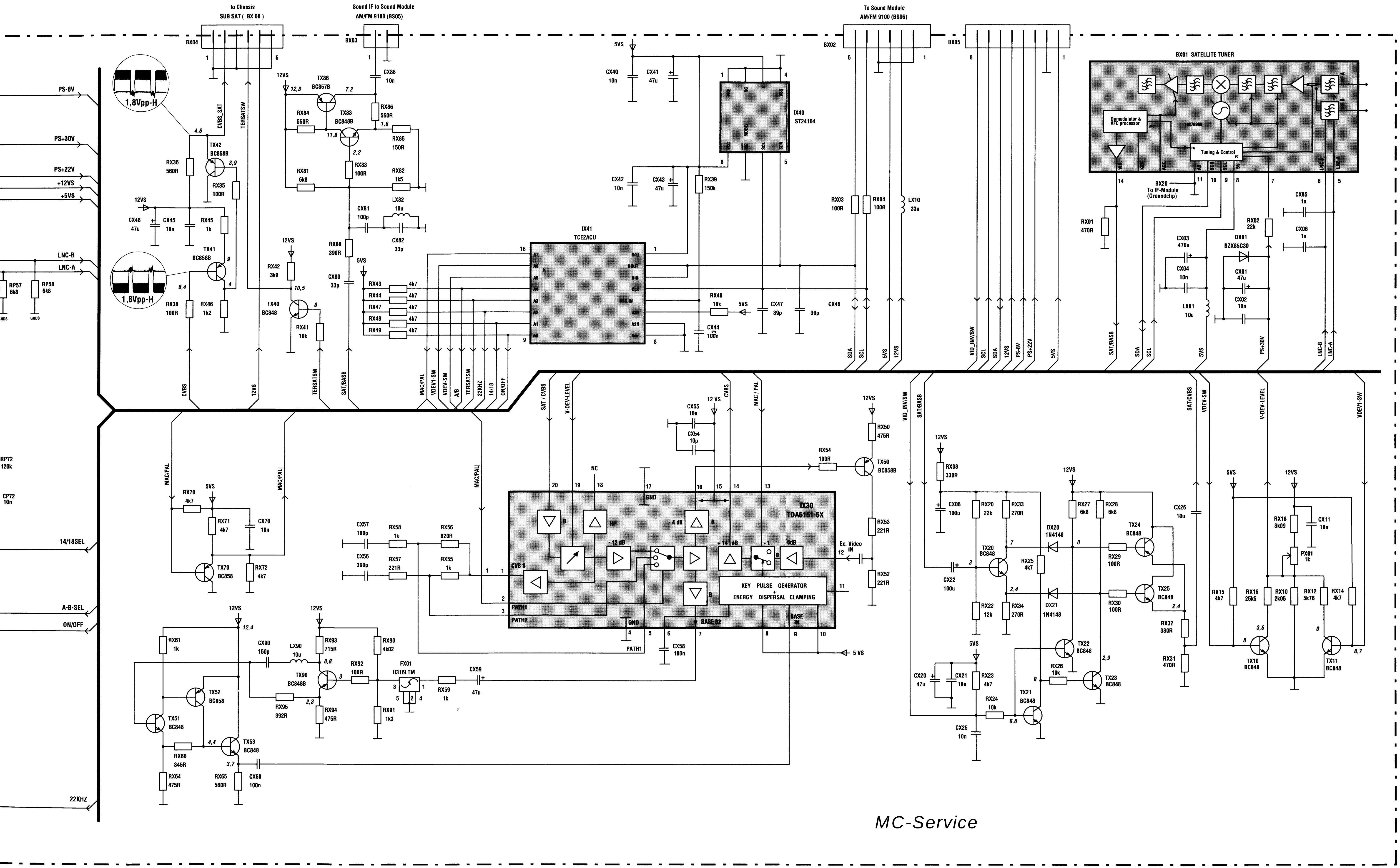
Attention :
Mesure dans le bloc alimentation
- Utiliser la masse du bloc alimentation (Emet. TP060).

Achtung :
Bei Messungen im Primärnetzteil
- Primärnetzteilmasse verwenden (Emit. TP060).

Attentionze :
misure nell'alimentatore primario
- usare massa alimentazione primario (Emet. TP060).

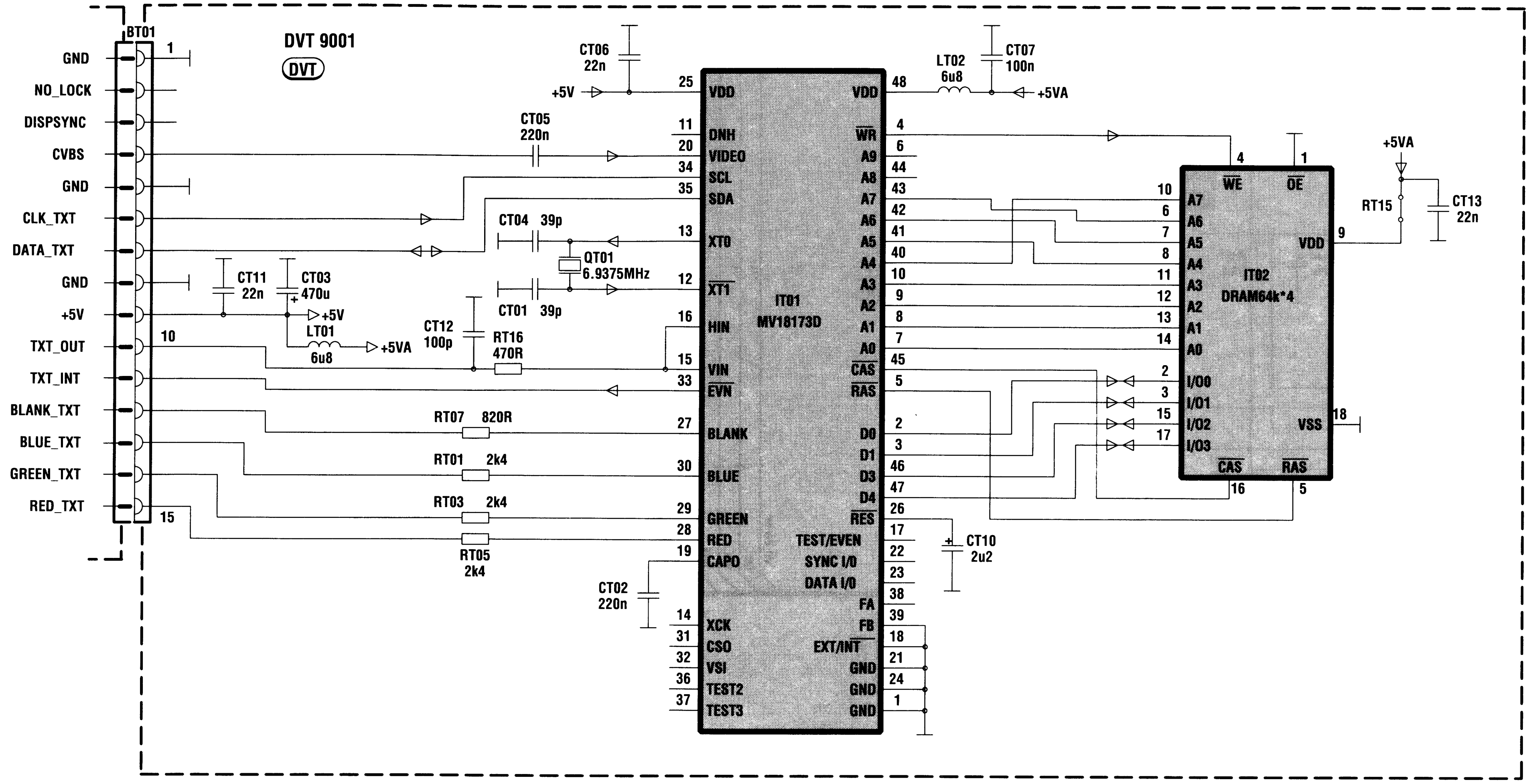
Cuidado :
Medida en el bloque de alimentacion
- Utilizar la masa del bloque de alimentacion (Emet. TP060).

▨ Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteils.
Parte dello châssis collegata alla rete.
Parte del chassis conectar a la red.


to Chassis
SUB SAT (BX 08)
BX04
Sound IF to Sound Module
AM/FM 9100 (BS05)
BX03
To Sound Module
AM/FM 9100 (BS06)
BX02
BX05
BX01 SATELLITE TUNER
Demodulator & AFC processor
Tuning & Control
BX20
To IF-Module
(Groundclip)
PS-8V
PS+30V
PS+22V
+12VS
+5VS
LNC-B
LNC-A
1,8Vpp-H
1,8Vpp-H
CVBS_SAT
TERSATSW
TX42
BC858B
RX36
560R
RX35
100R
CX48
47u
CX45
10n
RX45
1k
TX41
BC858B
RX38
100R
RX46
1k2
RP57
6k8
RP58
6k8
TX86
BC857B
TX83
BC848B
RX84
560R
RX81
6k8
RX86
560R
RX85
150R
RX83
100R
RX82
1k5
CX86
10n
CX81
100p
LX82
10u
CX82
33p
RX80
390R
CX80
33p
RX42
3k9
TX40
BC848
RX41
10k
RX43
RX44
RX47
RX48
RX49
4k7
IX41
TCE2ACU
IX40
ST24164
CX40
10n
CX41
47u
CX42
10n
CX43
47u
RX39
150k
RX40
10k
CX47
39p
CX44
100n
CX46
39p
RX03
100R
RX04
100R
LX10
33u
RX01
470R
CX03
470u
CX04
10n
LX01
10u
DX01
BZX85C30
CX01
47u
CX02
10n
RX02
22k
CX05
1n
CX06
1n
SDA
SCL
5VS
12VS
VID_INV/SW
PS-8V
PS+22V
SAT/BASB
PS+30V
CVBS
MAC/PAL
VDEV1-SW
VDEV-SW
A/B
22KHZ
14/18
ON/OFF
SAT / CVBS
V-DEV-LEVEL
IX30
TDA6151-5X
KEY PULSE GENERATOR
+
ENERGY DISPERSAL CLAMPING
PATH1
PATH2
BASE B2
BASE IN
CVB S
Ex. Video IN
CX55
10n
CX54
10µ
RX54
100R
TX50
BC858B
RX50
475R
RX53
221R
RX52
221R
CX57
100p
RX58
1k
RX56
820R
CX56
390p
RX57
221R
RX55
1k
CX58
100n
RX70
4k7
RX71
4k7
CX70
10n
TX70
BC858
RX72
4k7
14/18SEL
A-B-SEL
ON/OFF
22KHZ
RP72
120k
CP72
10n
RX61
1k
TX52
BC858
TX51
BC848
TX53
BC848
RX66
845R
RX64
475R
RX65
560R
CX60
100n
CX90
150p
LX90
10u
TX90
BC848B
RX93
715R
RX94
475R
RX95
392R
RX92
100R
RX90
4k02
RX91
1k3
FX01
H316LTM
RX59
1k
CX59
47u
RX08
330R
CX08
100u
RX20
22k
RX33
270R
TX20
BC848
RX25
4k7
CX22
100u
RX22
12k
RX34
270R
DX20
1N4148
DX21
1N4148
RX27
6k8
RX28
6k8
TX24
BC848
TX25
BC848
RX29
100R
RX30
100R
TX22
BC848
TX23
BC848
RX26
10k
TX21
BC848
RX24
10k
CX20
47u
CX21
10n
RX23
4k7
CX25
10n
RX32
330R
RX31
470R
CX26
10u
SAT/CVBS
VDEV-SW
V-DEV-LEVEL
VDEV1-SW
RX18
3k09
CX11
10n
PX01
1k
RX15
4k7
RX16
25k5
RX10
2k05
RX12
5k76
RX14
4k7
TX10
BC848
TX11
BC848

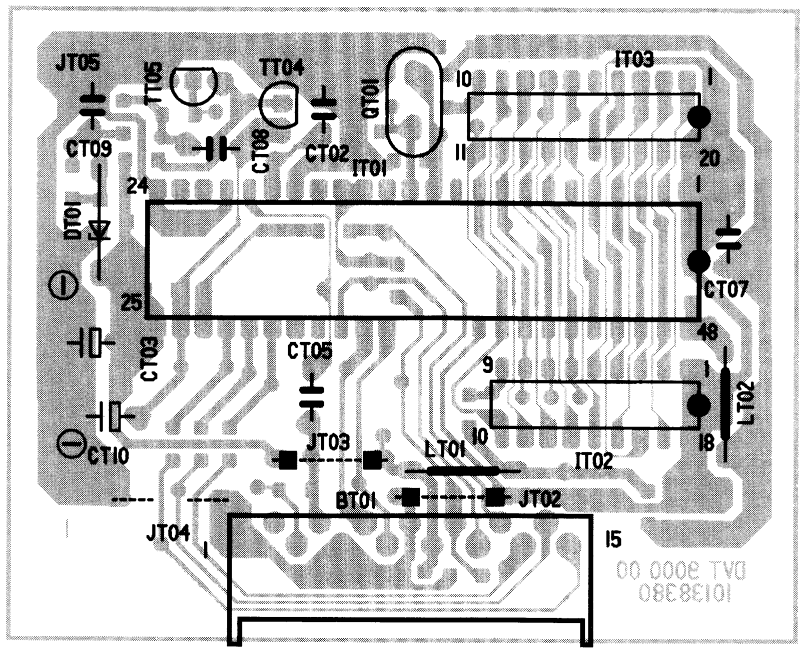
TELETEXT MODULE - MODULE TELETEXTE - VIDEOTEXT MODUL - MODULO TELEVIDEO - MÓDULO TELETEXTO

DVT 9001



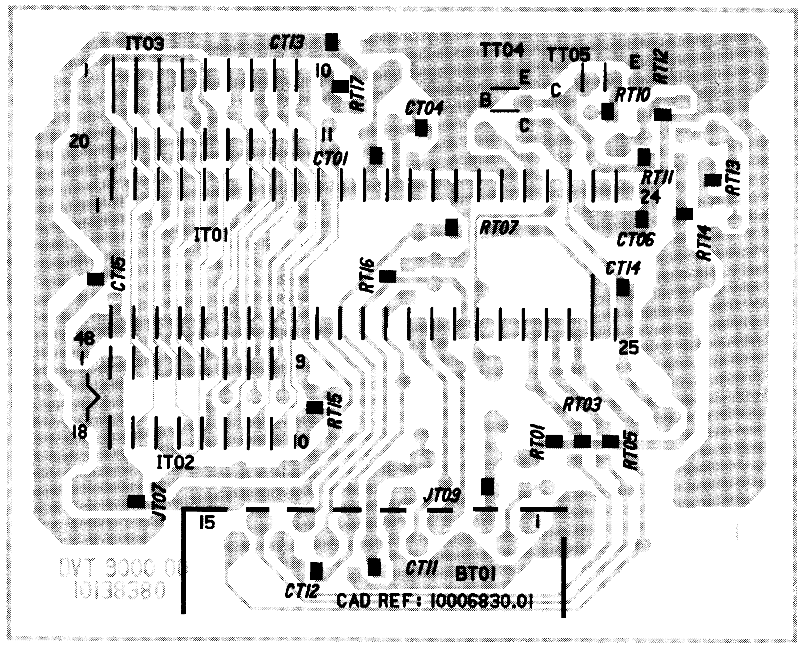
BT01
DVT 9001
DVT
GND
NO_LOCK
DISPSYNC
CVBS
GND
CLK_TXT
DATA_TXT
GND
+5V
TXT_OUT
TXT_INT
BLANK_TXT
BLUE_TXT
GREEN_TXT
RED_TXT
CT05 220n
CT06 22n
CT04 39p
QT01 6.9375MHz
CT01 39p
CT11 22n
CT03 470u
LT01 6u8
+5VA
CT12 100p
RT16 470R
RT07 820R
RT01 2k4
RT03 2k4
RT05 2k4
CT02 220n
IT01 MV18173D
VDD
DNH
VIDEO
SCL
SDA
XT0
XT1
HIN
VIN
EVN
BLANK
BLUE
GREEN
RED
CAPO
XCK
CSO
VSI
TEST2
TEST3
WR
A9 A8 A7 A6 A5 A4 A3 A2 A1 A0
CAS
RAS
D0 D1 D3 D4
RES
TEST/EVEN
SYNC I/0
DATA I/0
FA
FB
EXT/INT
GND
LT02 6u8
CT07 100n
CT10 2u2
IT02 DRAM64k*4
WE
OE
I/00 I/01 I/02 I/03
VSS
RT15
CT13 22n

COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES



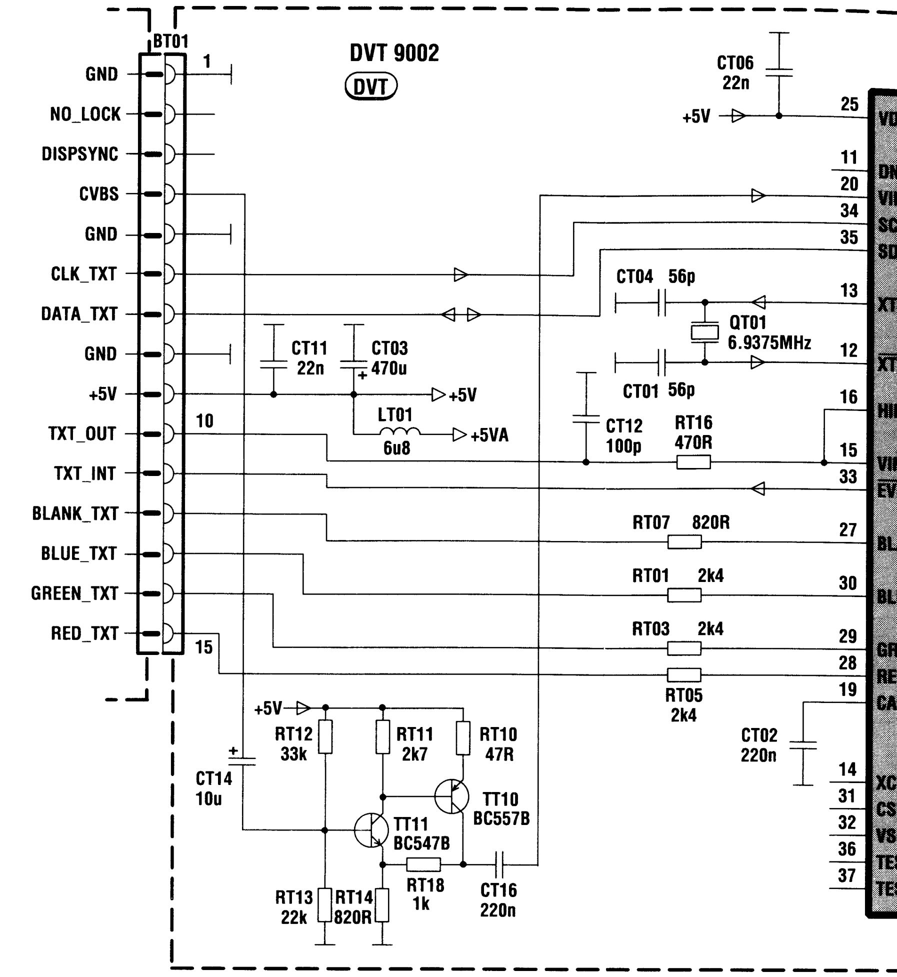
JT05
TT05
TT04
QT01
IT03
CT09
CT08
CT02
IT01
CT11
DT01
CT07
CT03
CT05
CT10
JT03
LT01
IT02
LT02
BT01
JT02
JT04
DVT 9000 00
10138380

SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE-
LATO SALDATURE - LADO SOLDADURAS

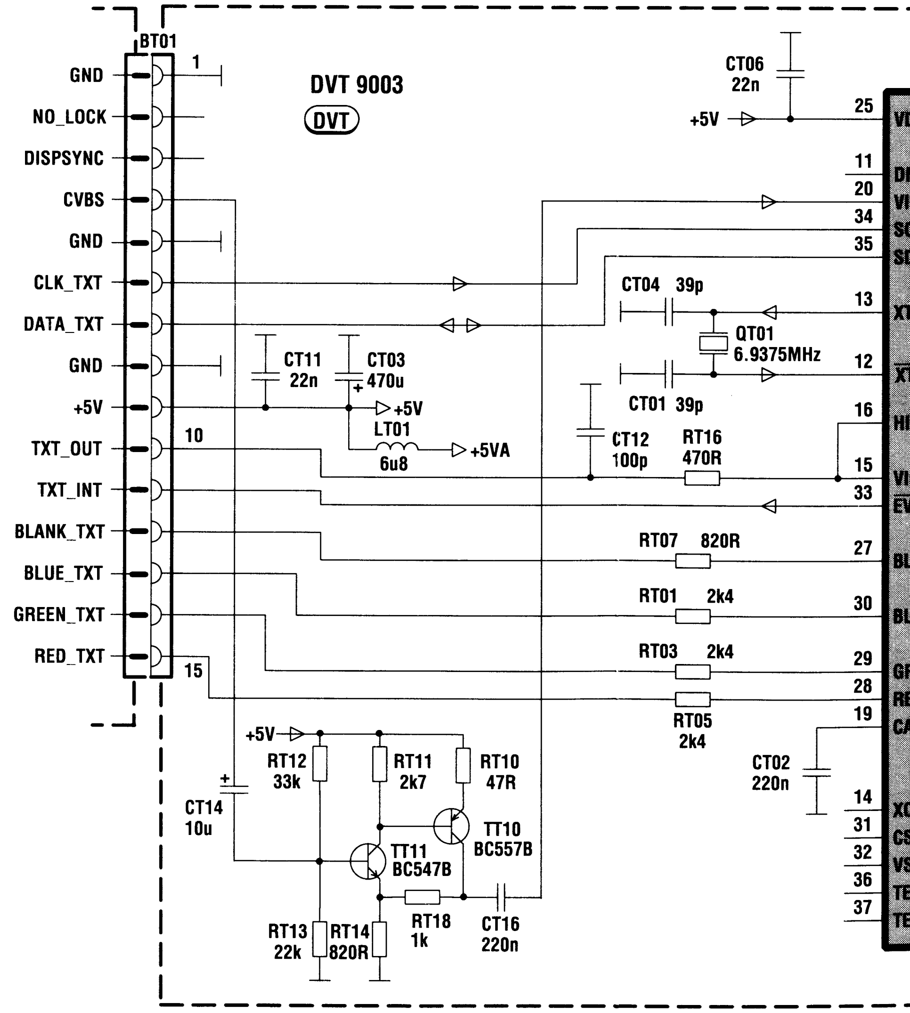


IT03
CT13
TT04
TT05
RT17
CT04
CT01
RT10
RT12
RT11
RT13
IT01
RT07
CT06
RT14
CT15
RT16
CT14
RT15
RT03
RT01
RT05
IT02
JT07
JT09
CT12
CT11
BT01
CAD REF: 10006830.01
DVT 9000 01
10138380

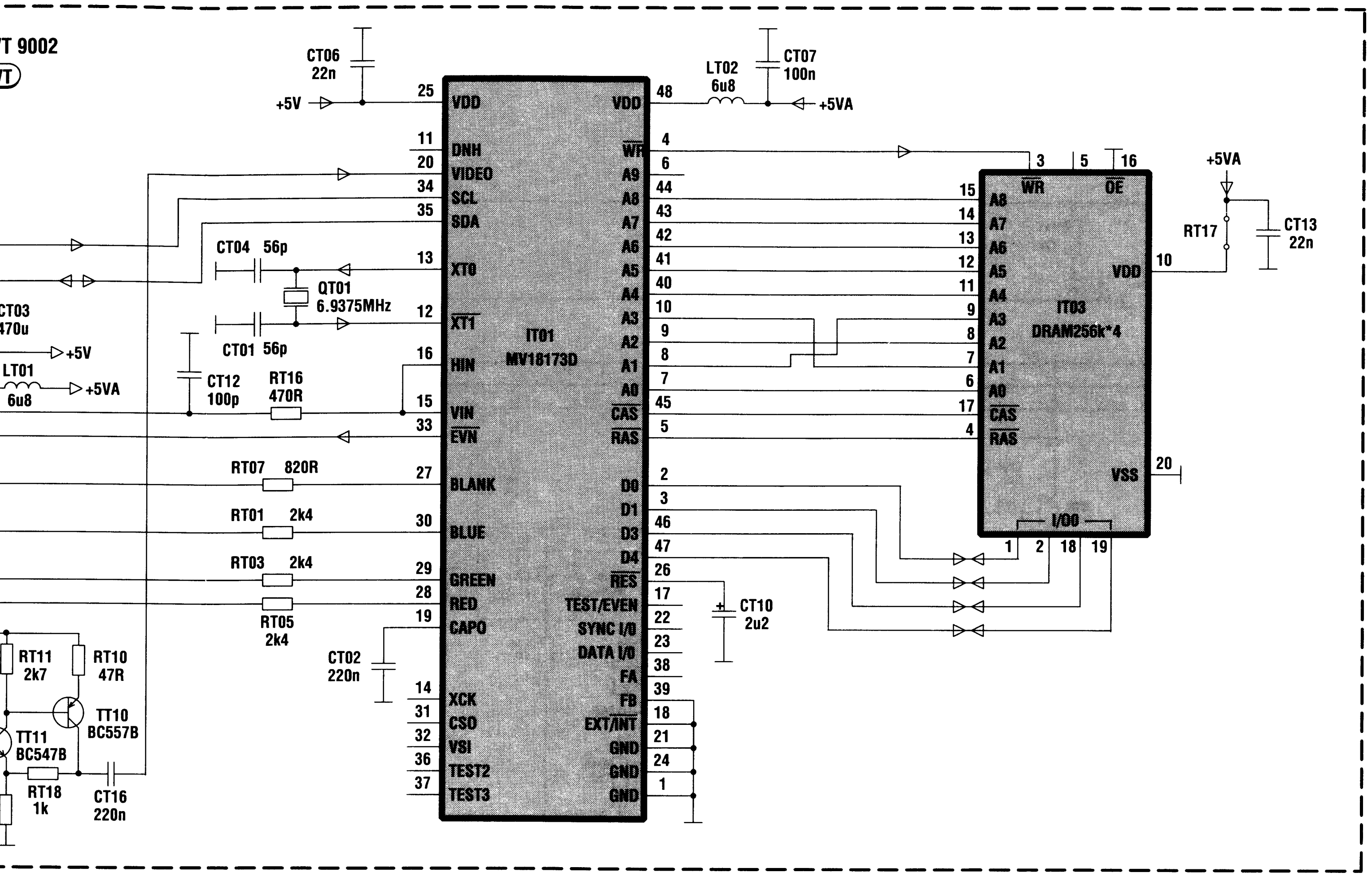
DVT 9002 - DVT 9003



BT01
DVT 9002
DVT
GND
NO_LOCK
DISPSYNC
CVBS
GND
CLK_TXT
DATA_TXT
GND
+5V
TXT_OUT
TXT_INT
BLANK_TXT
BLUE_TXT
GREEN_TXT
RED_TXT
CT06 22n
CT04 56p
QT01 6.9375MHz
CT01 56p
CT11 22n
CT03 470u
LT01 6u8
+5VA
CT12 100p
RT16 470R
RT07 820R
RT01 2k4
RT03 2k4
RT05 2k4
CT02 220n
RT12 33k
RT11 2k7
RT10 47R
CT14 10u
TT10 BC557B
TT11 BC547B
RT18 1k
RT13 22k
RT14 820R
CT16 220n



BT01
DVT 9003
DVT
GND
NO_LOCK
DISPSYNC
CVBS
GND
CLK_TXT
DATA_TXT
GND
+5V
TXT_OUT
TXT_INT
BLANK_TXT
BLUE_TXT
GREEN_TXT
RED_TXT
CT06 22n
CT04 39p
QT01 6.9375MHz
CT01 39p
CT11 22n
CT03 470u
LT01 6u8
+5VA
CT12 100p
RT16 470R
RT07 820R
RT01 2k4
RT03 2k4
RT05 2k4
CT02 220n
RT12 33k
RT11 2k7
RT10 47R
CT14 10u
TT10 BC557B
TT11 BC547B
RT18 1k
RT13 22k
RT14 820R
CT16 220n


T 9002
CT06 22n
+5V
VDD
DNH
VIDEO
SCL
SDA
XT0
XT1
HIN
VIN
EVN
BLANK
BLUE
GREEN
RED
CAPO
XCK
CSO
VSI
TEST2
TEST3
IT01
MV18173D
WR
A9 A8 A7 A6 A5 A4 A3 A2 A1 A0
CAS
RAS
D0 D1 D3 D4
RES
TEST/EVEN
SYNC I/O
DATA I/O
FA
FB
EXT/INT
GND
LT02 6u8
CT07 100n
+5VA
IT03
DRAM256k*4
WR
OE
VDD
VSS
I/O0
RT17
CT13 22n
CT04 56p
QT01 6.9375MHz
CT01 56p
CT12 100p
RT16 470R
CT03 470u
LT01 6u8
RT07 820R
RT01 2k4
RT03 2k4
RT05 2k4
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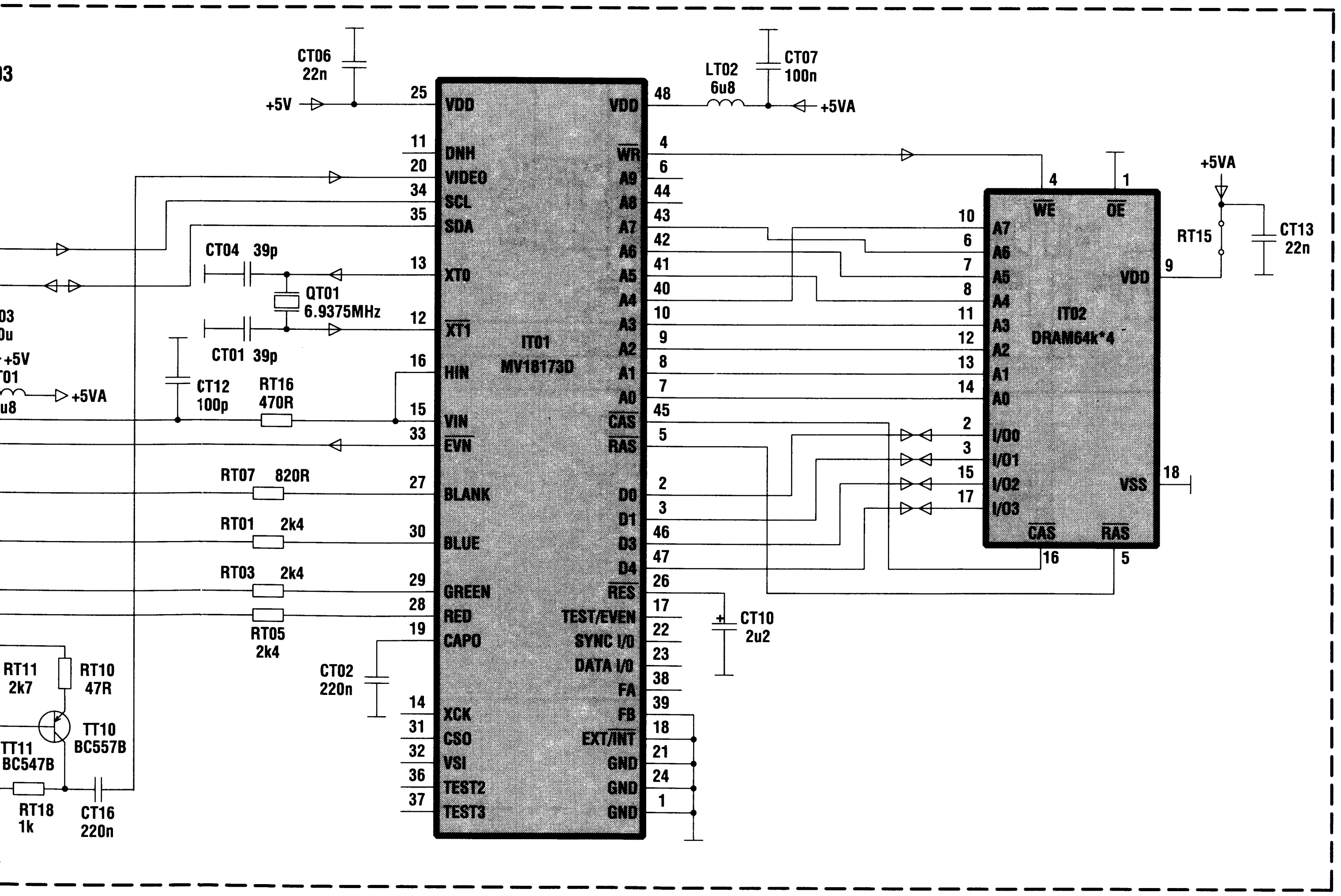
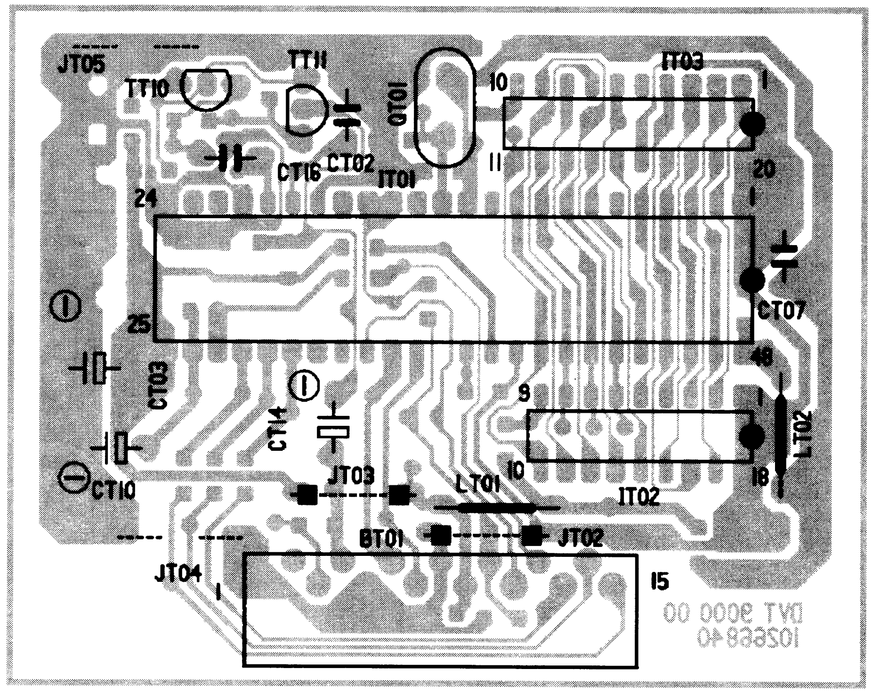
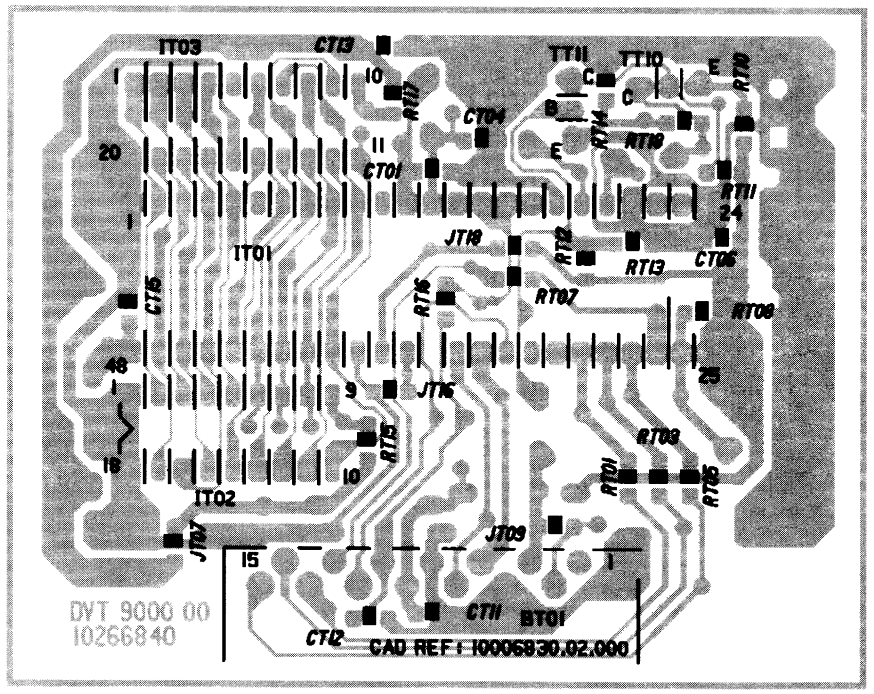
CT10 2u2
RT11 2k7
RT10 47R
TT10 BC557B
TT11 BC547B
RT18 1k
CT16 220n


03
CT06 22n
+5V
VDD
DNH
VIDEO
SCL
SDA
XT0
XT1
HIN
VIN
EVN
BLANK
BLUE
GREEN
RED
CAPO
XCK
CSO
VSI
TEST2
TEST3
IT01
MV18173D
WR
A9 A8 A7 A6 A5 A4 A3 A2 A1 A0
CAS
RAS
D0 D1 D3 D4
RES
TEST/EVEN
SYNC I/O
DATA I/O
FA
FB
EXT/INT
GND
LT02 6u8
CT07 100n
+5VA
IT02
DRAM64k*4
WE
OE
VDD
VSS
I/O0 I/O1 I/O2 I/O3
CAS
RAS
RT15
CT13 22n
CT04 39p
QT01 6.9375MHz
CT01 39p
CT12 100p
RT16 470R
+5V
+5VA
RT07 820R
RT01 2k4
RT03 2k4
RT05 2k4
CT02 220n
CT10 2u2
RT11 2k7
RT10 47R
TT10 BC557B
TT11 BC547B
RT18 1k
CT16 220n

COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES

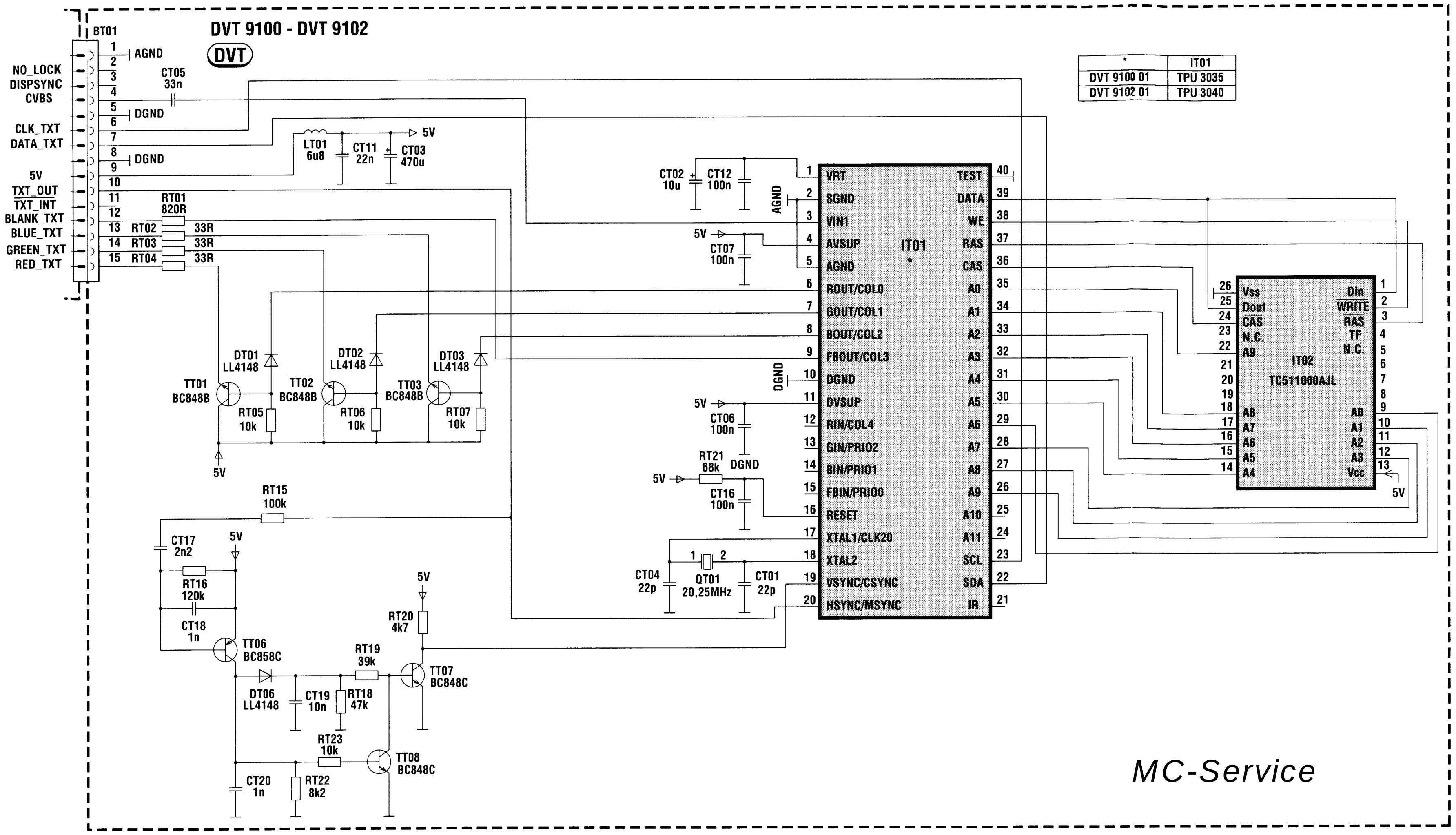

JT05
TT10
TT11
QT01
IT03
CT16
CT02
IT01
CT07
CT03
CT14
CT10
JT03
LT01
IT02
LT02
BT01
JT02
JT04
I5
DVT 9000 00
10266840

SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE- LATO SALDATURE - LADO SOLDADURAS


IT03
CT13
TT11
TT10
RT17
CT04
RT14
RT19
CT01
RT11
IT01
JT18
RT12
RT13
CT06
CT15
RT16
RT07
RT08
JT16
RT15
RT09
RT01
RT05
IT02
JT07
JT09
I5
CT11
BT01
CT12
CAD REF : 10006830.02.000
DVT 9000 00
10266840

TELETEXT MODULE - MODULE TELETEXTE - VIDEOTEXT MODUL - MODULO TELEVIDEO - MÓDULO TELETEXTO (DVT 9100 - 9102 - 9103)

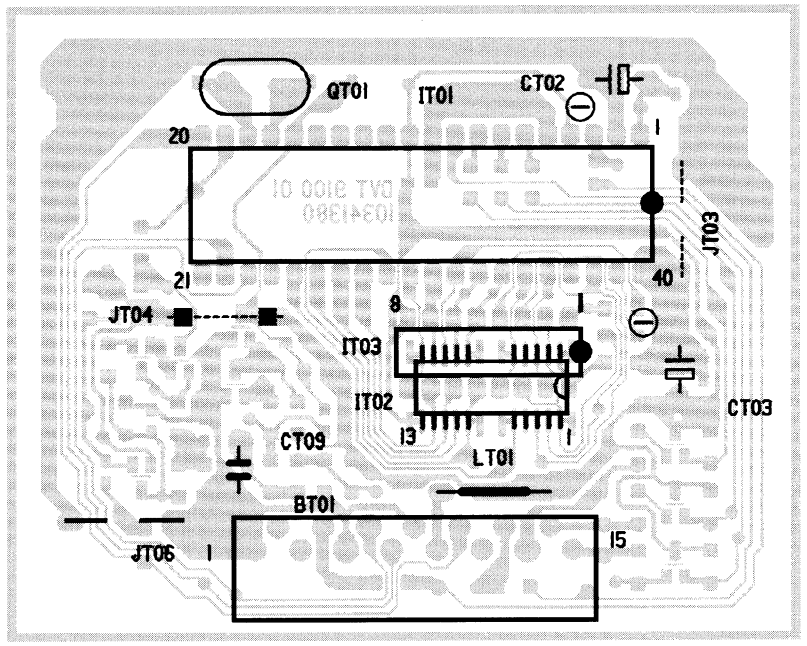
DVT 9100 - DVT 9102



DVT
BT01
AGND
NO_LOCK
DISPSYNC
CVBS
CT05 33n
DGND
CLK_TXT
DATA_TXT
5V
TXT_OUT
TXT_INT
BLANK_TXT
BLUE_TXT
GREEN_TXT
RED_TXT
LT01 6u8
CT11 22n
CT03 470u
RT01 820R
RT02 33R
RT03 33R
RT04 33R
DT01 LL4148
DT02 LL4148
DT03 LL4148
TT01 BC848B
TT02 BC848B
TT03 BC848B
RT05 10k
RT06 10k
RT07 10k
RT15 100k
CT17 2n2
RT16 120k
CT18 1n
TT06 BC858C
DT06 LL4148
CT19 10n
RT18 47k
RT19 39k
RT20 4k7
TT07 BC848C
RT23 10k
TT08 BC848C
CT20 1n
RT22 8k2
CT02 10u
CT12 100n
AGND
CT07 100n
DGND
CT06 100n
RT21 68k
CT16 100n
CT04 22p
QT01 20,25MHz
CT01 22p
IT01
VRT
SGND
VIN1
AVSUP
AGND
ROUT/COL0
GOUT/COL1
BOUT/COL2
FBOUT/COL3
DGND
DVSUP
RIN/COL4
GIN/PRIO2
BIN/PRIO1
FBIN/PRIO0
RESET
XTAL1/CLK20
XTAL2
VSYNC/CSYNC
HSYNC/MSYNC
TEST
DATA
WE
RAS
CAS
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
SCL
SDA
IR
IT02
TC511000AJL
Vss
Dout
CAS
N.C.
A9
Din
WRITE
RAS
TF
N.C.
Vcc
MC-Service

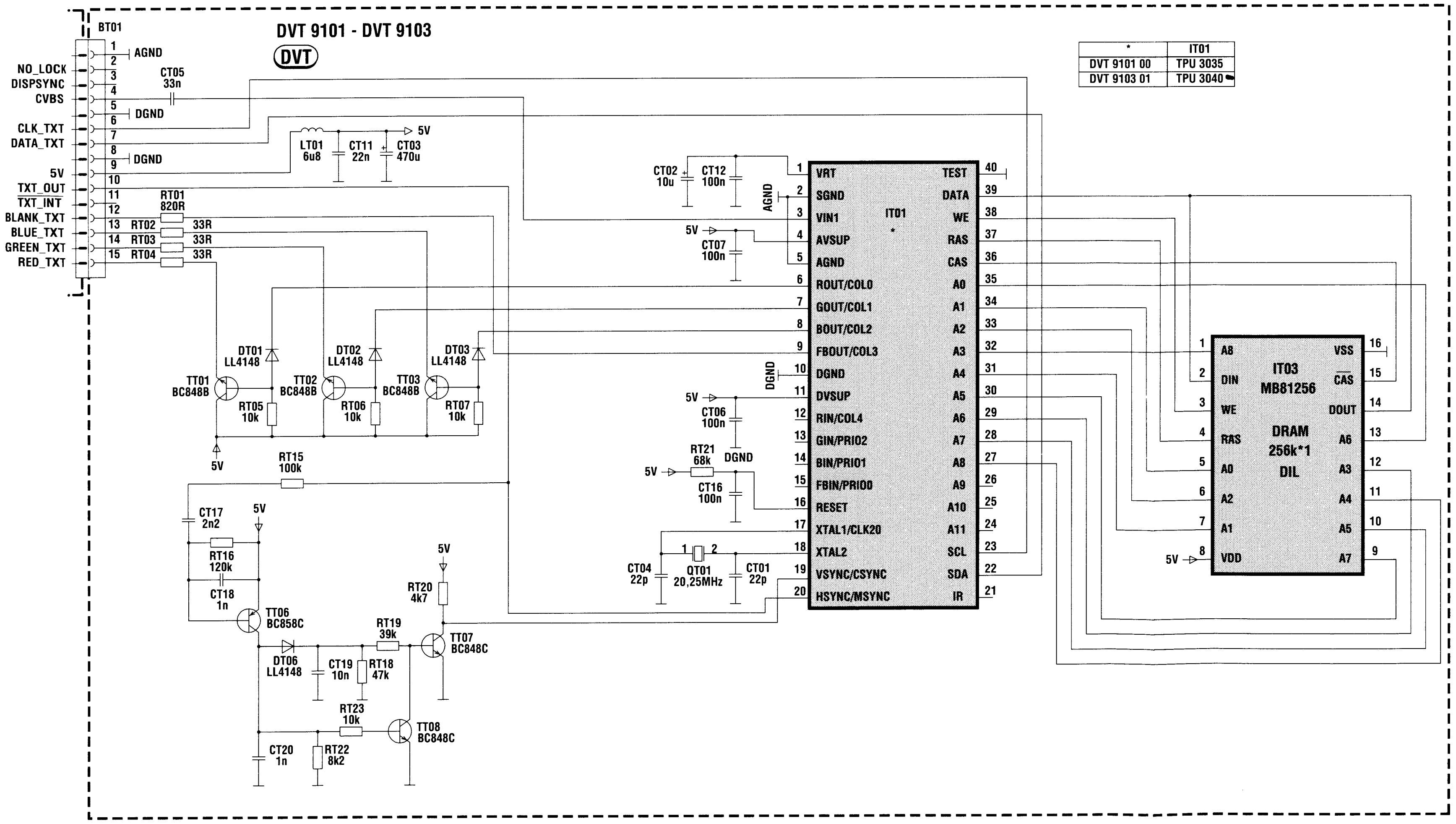
*	IT01
DVT 9100 01	TPU 3035
DVT 9102 01	TPU 3040

COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES



QT01
IT01
CT02
20
1
21
40
JT03
JT04
8
IT03
IT02
13
CT09
LT01
CT03
BT01
JT05
1
15

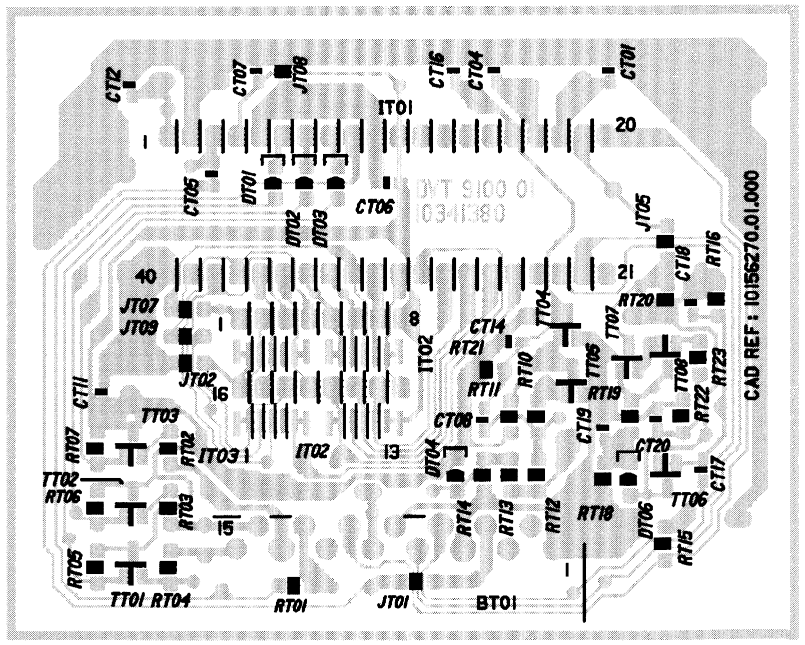
DVT 9101 - DVT 9103



DVT
BT01
AGND
NO_LOCK
DISPSYNC
CVBS
CT05 33n
DGND
CLK_TXT
DATA_TXT
5V
TXT_OUT
TXT_INT
BLANK_TXT
BLUE_TXT
GREEN_TXT
RED_TXT
LT01 6u8
CT11 22n
CT03 470u
RT01 820R
RT02 33R
RT03 33R
RT04 33R
DT01 LL4148
DT02 LL4148
DT03 LL4148
TT01 BC848B
TT02 BC848B
TT03 BC848B
RT05 10k
RT06 10k
RT07 10k
RT15 100k
CT17 2n2
RT16 120k
CT18 1n
TT06 BC858C
DT06 LL4148
CT19 10n
RT18 47k
RT19 39k
RT20 4k7
TT07 BC848C
RT23 10k
TT08 BC848C
CT20 1n
RT22 8k2
CT02 10u
CT12 100n
AGND
CT07 100n
DGND
CT06 100n
RT21 68k
CT16 100n
CT04 22p
QT01 20,25MHz
CT01 22p
IT01
IT03
MB81256
DRAM
256k*1
DIL
A8
DIN
WE
RAS
A0
A2
A1
VDD
VSS
CAS
DOUT
A6
A3
A4
A5
A7

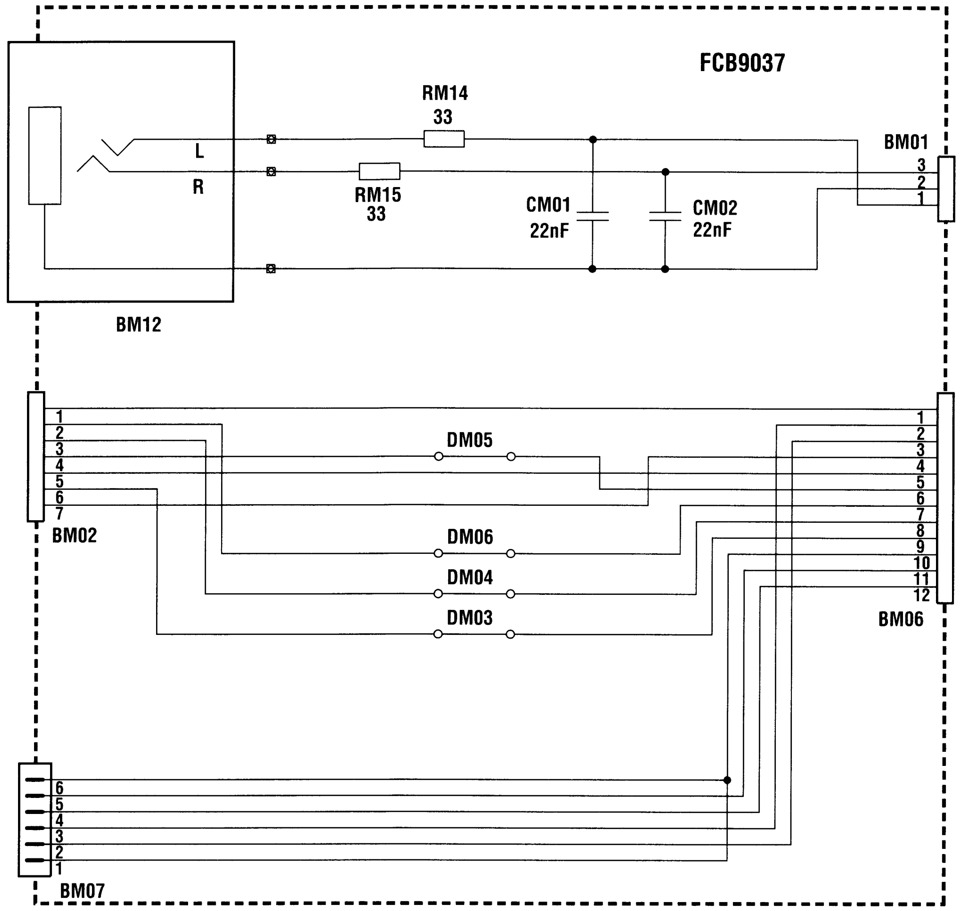
*	IT01
DVT 9101 00	TPU 3035
DVT 9103 01	TPU 3040

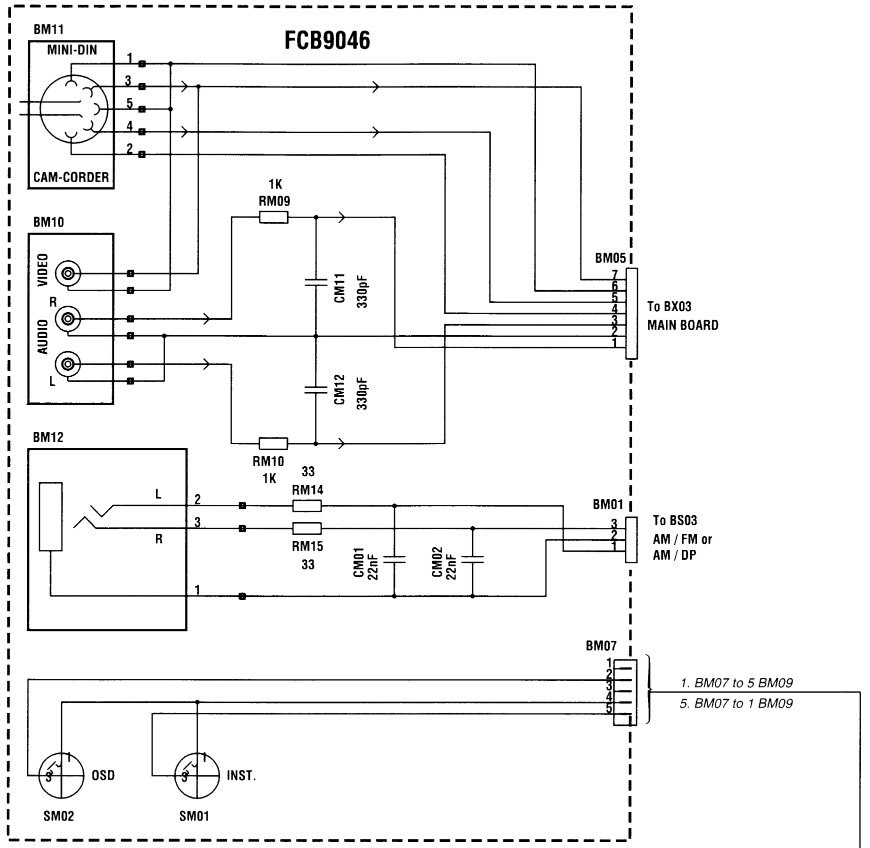
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE- LATO
SALDATURE - LADO SOLDADURAS

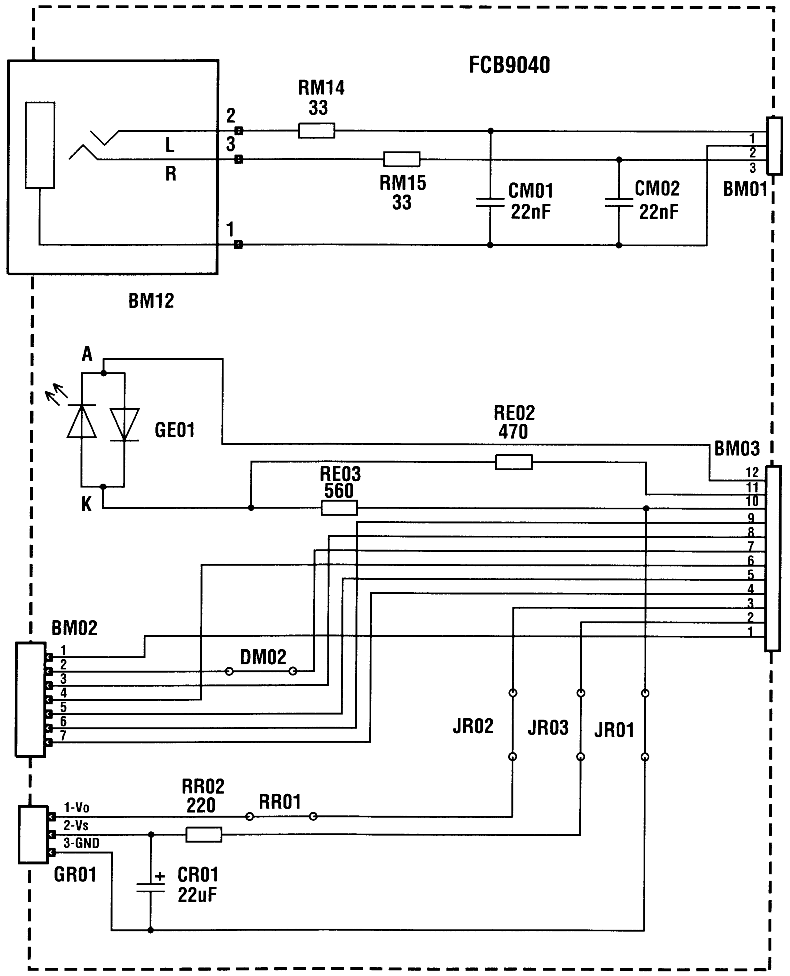


CT12
CT07
JT08
CT16
CT04
CT01
IT01
20
CT05
DT01
DT02
DT03
CT06
JT05
40
21
JT07
JT09
JT02
IT02
CT14
RT21
RT11
RT10
RT20
CT18
RT16
CAD REF : 10156270.01.000
CT11
TT03
IT03
13
CT08
CT19
RT19
TT06
RT22
RT23
RT07
TT02
RT06
RT03
15
RT14
RT13
RT12
RT18
DT06
CT20
CT17
RT15
RT05
TT01
RT04
RT01
JT01
BT01

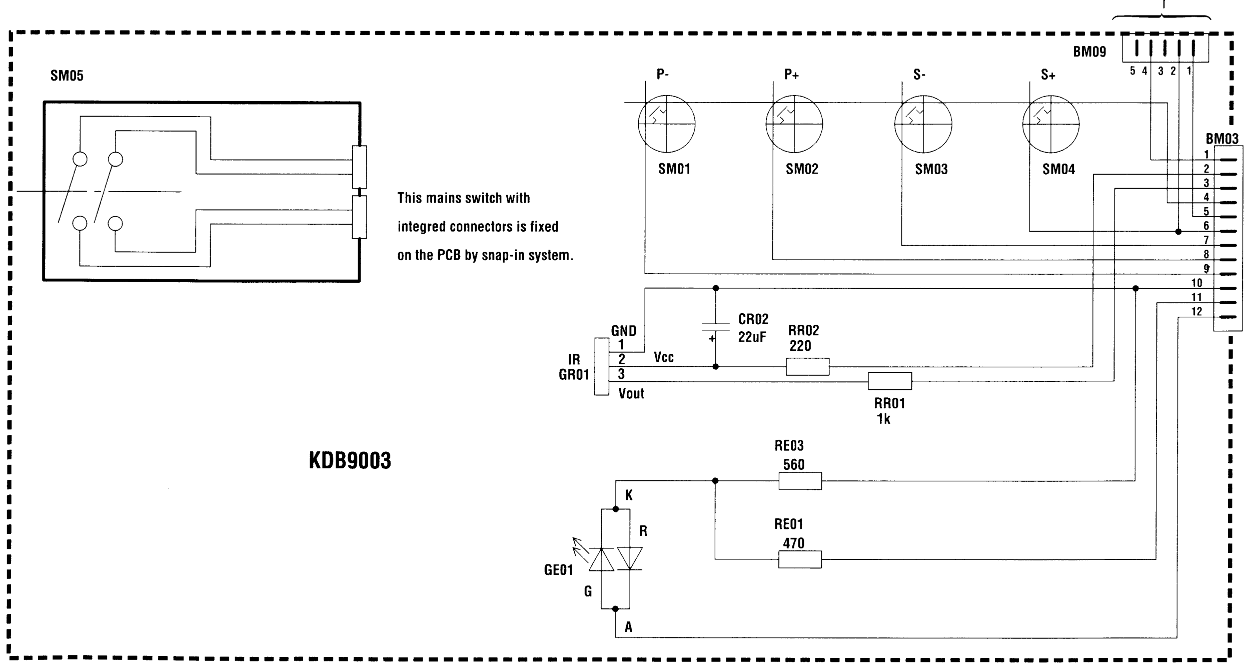
FRONT CONNECTOR BOARD - MODULE PRISE ET INTERCONNEXION DU CLAVIER - FRONTANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE - PLATINA MANDOS FRONTAL


FCB9037
RM14
33
RM15
33
CM01
22nF
CM02
22nF
L
R
BM01
BM12
BM02
DM05
DM06
DM04
DM03
BM06
BM07

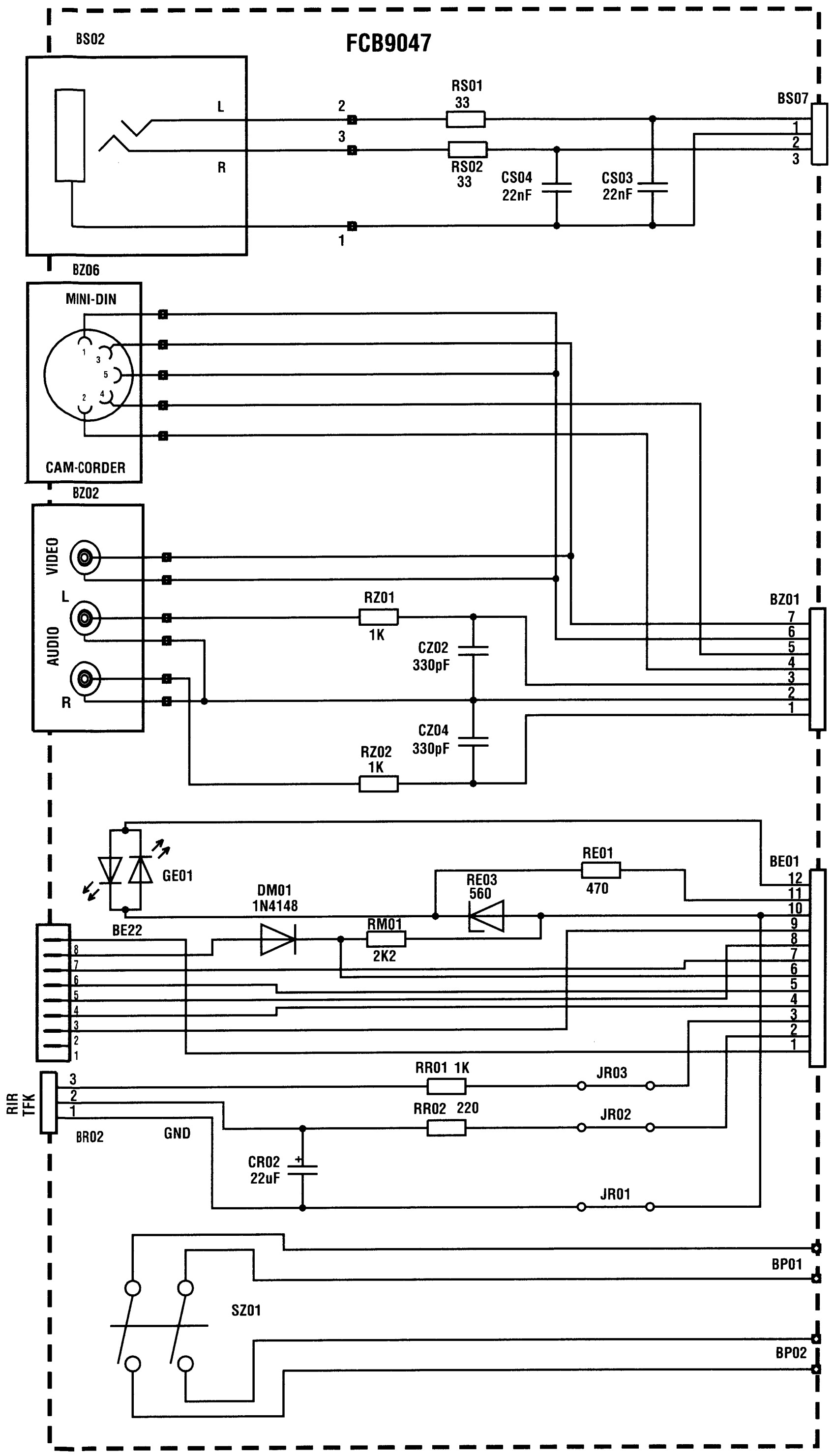

FCB9046
BM11
MINI-DIN
CAM-CORDER
BM10
VIDEO
AUDIO
R
L
1K
RM09
CM11
330pF
CM12
330pF
RM10
1K
BM05
To BX03
MAIN BOARD
BM12
33
RM14
RM15
33
CM01
22nF
CM02
22nF
BM01
To BS03
AM / FM or
AM / DP
BM07
1. BM07 to 5 BM09
5. BM07 to 1 BM09
OSD
INST.
SM02
SM01

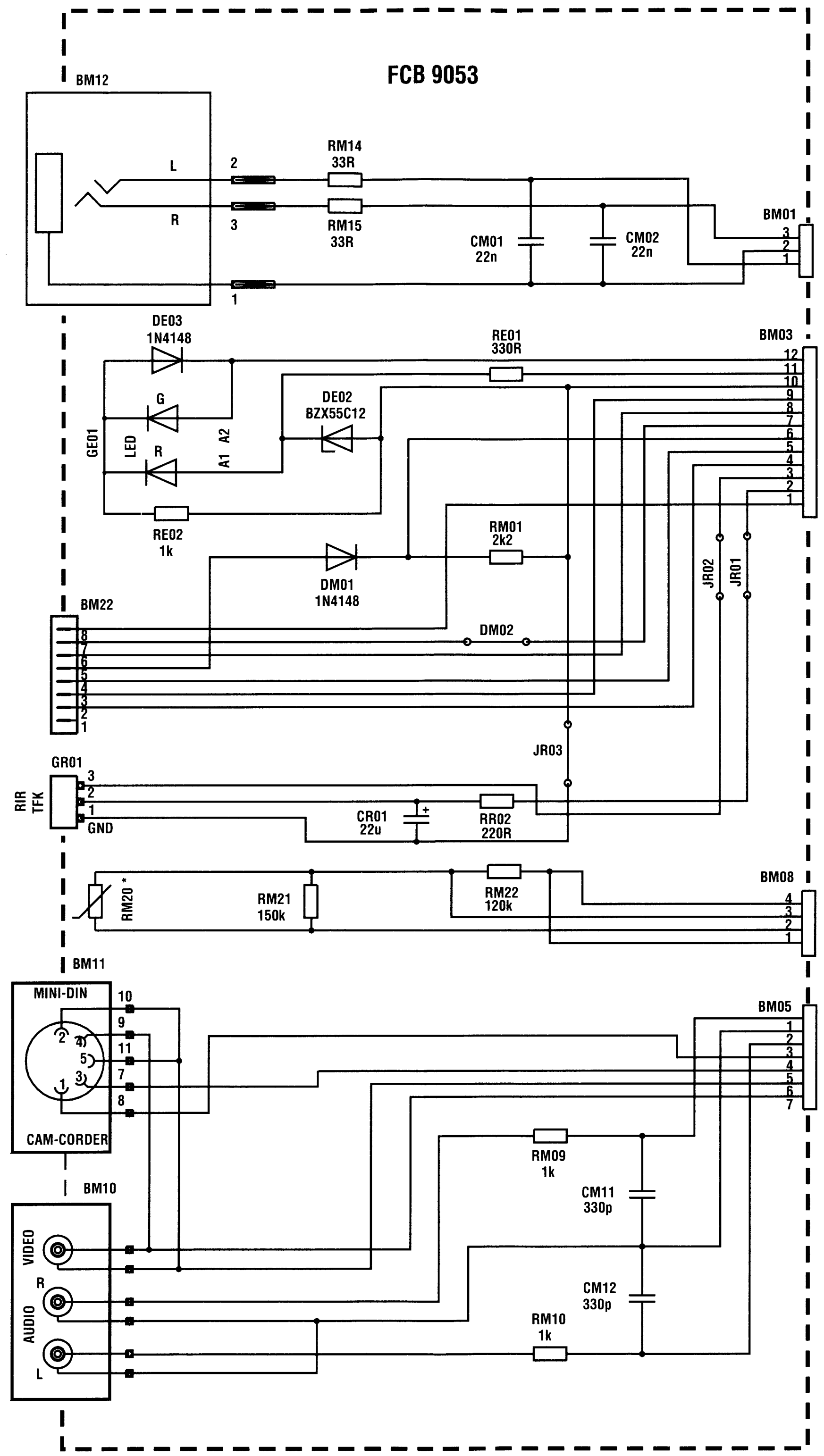

FCB9040
RM14
33
RM15
33
CM01
22nF
CM02
22nF
L
R
BM01
BM12
A
K
GE01
RE02
470
RE03
560
BM03
BM02
DM02
JR02
JR03
JR01
RR02
220
RR01
1-Vo
2-Vs
3-GND
GR01
CR01
22uF

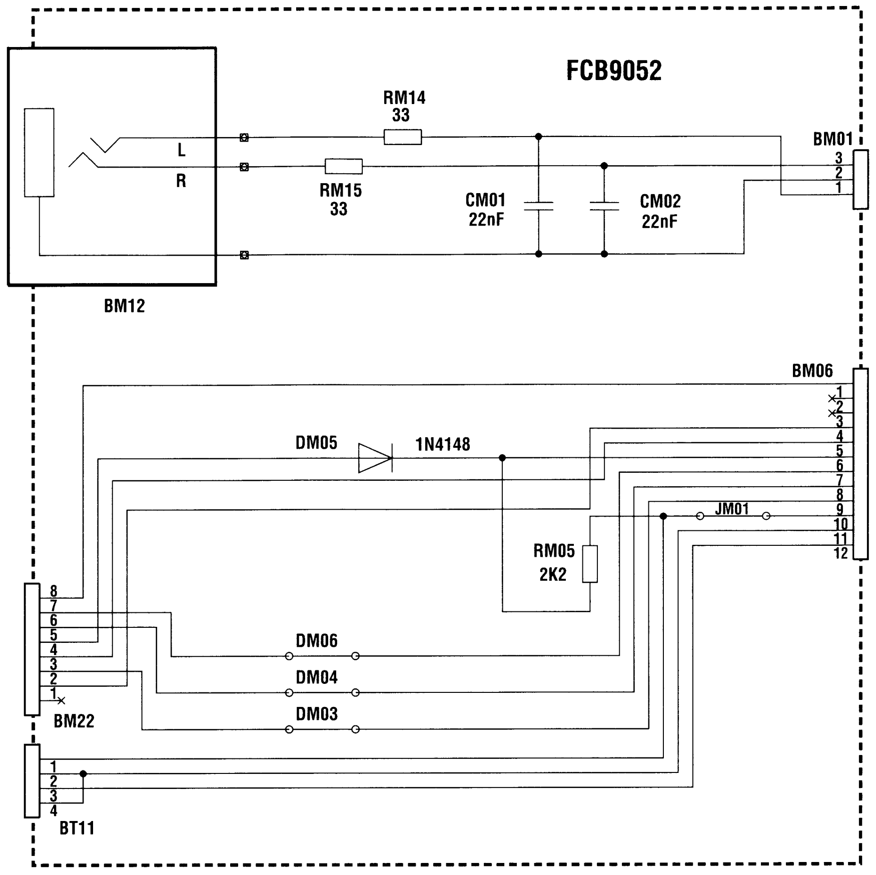
KEYBOARD MODULE - PLATINE CLAVIER - BEDIENTEIL PIASTRA COMANDI - PLATINA TECLADO


SM05
This mains switch with integred connectors is fixed on the PCB by snap-in system.
KDB9003
BM09
P-
P+
S-
S+
SM01
SM02
SM03
SM04
BM03
To BR02
Main Board
GND
Vcc
Vout
IR
GR01
CR02
22uF
RR02
220
RR01
1k
RE03
560
RE01
470
GE01
K
R
G
A

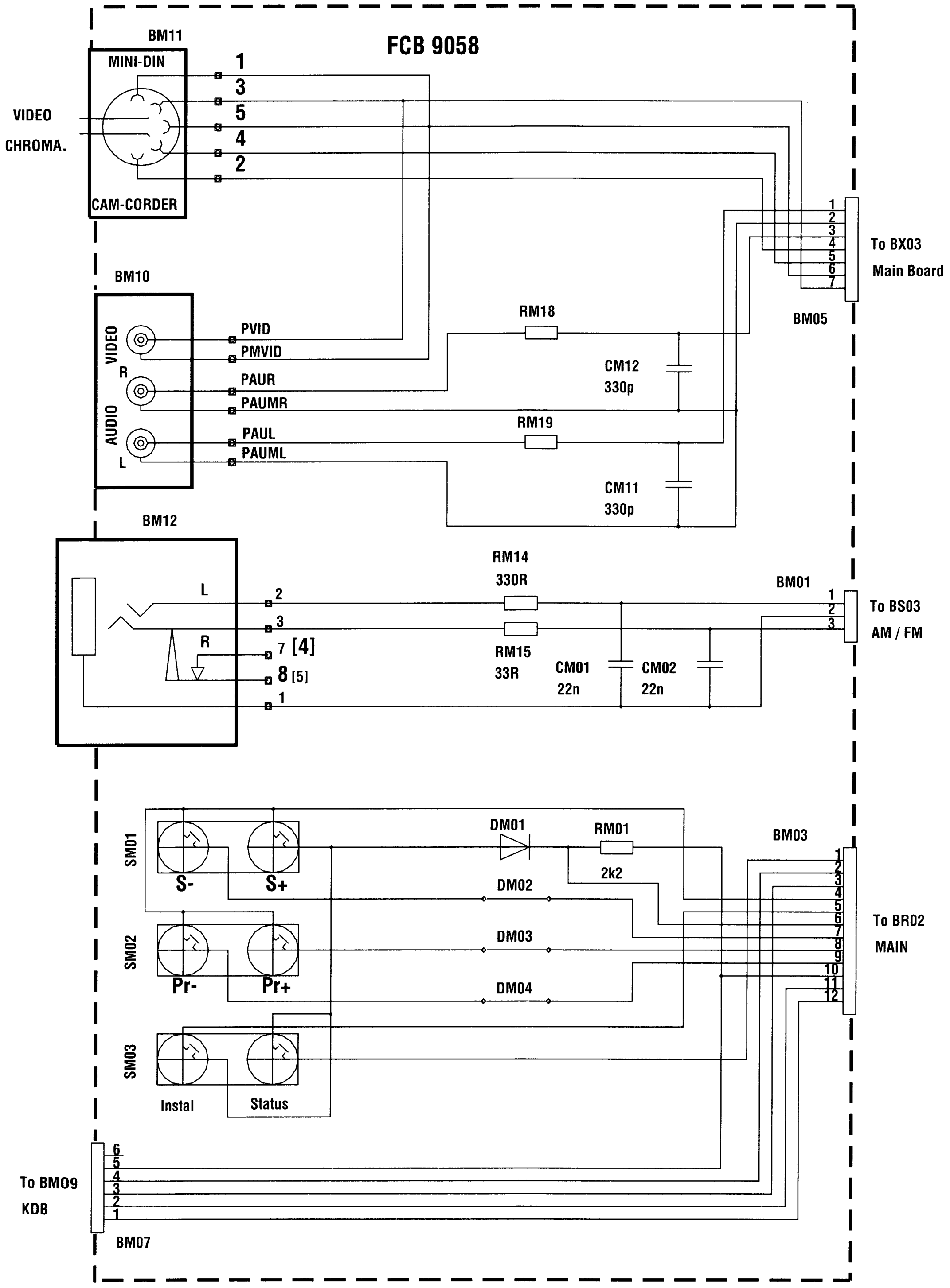
FRONT CONNECTOR BOARD - MODULE PRISE ET INTERCONNEXION DU CLAVIER - FRONTANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE - PLATINA MANDOS FRONTAL


FCB9047
BS02
L
R
RS01 33
RS02 33
CS04 22nF
CS03 22nF
BS07
BZ06
MINI-DIN
CAM-CORDER
BZ02
VIDEO
AUDIO
L
R
RZ01 1K
CZ02 330pF
CZ04 330pF
RZ02 1K
BZ01
GE01
DM01 1N4148
RE03 560
RE01 470
RM01 2K2
BE01
BE22
RIR TFK
BR02
GND
RR01 1K
RR02 220
JR03
JR02
JR01
CR02 22uF
BP01
BP02
SZ01

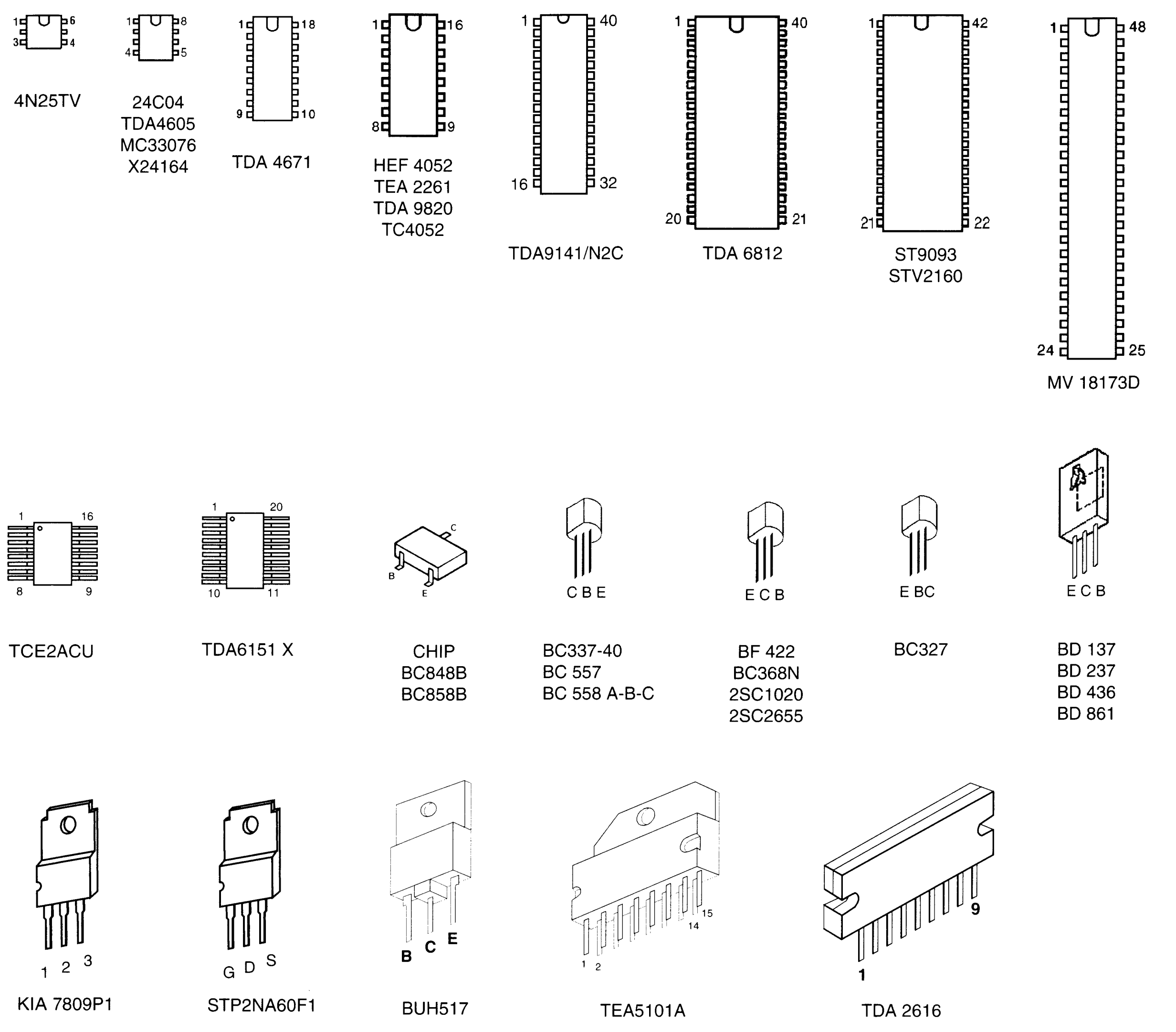

FCB 9053
BM12
L
R
RM14 33R
RM15 33R
CM01 22n
CM02 22n
BM01
DE03 1N4148
RE01 330R
BM03
GE01
LED
G
R
A1 A2
DE02 BZX55C12
RE02 1k
DM01 1N4148
RM01 2k2
JR02
JR01
BM22
DM02
JR03
GR01
RIR TFK
GND
CR01 22u
RR02 220R
BM08
RM20 *
RM21 150k
RM22 120k
BM11
MINI-DIN
CAM-CORDER
BM05
RM09 1k
CM11 330p
CM12 330p
RM10 1k
BM10
VIDEO
AUDIO
R
L


FCB9052
RM14 33
L
R
RM15 33
CM01 22nF
CM02 22nF
BM01
BM12
BM06
DM05
1N4148
JM01
RM05 2K2
BM22
DM06
DM04
DM03
BT11

FRONT CONNECTOR BOARD - MODULE PRISE ET INTERCONNEXION DU CLAVIER - FRONTANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE PLATINA MANDOS FRONTAL


FCB 9058
BM11
MINI-DIN
CAM-CORDER
VIDEO
CHROMA.
1
3
5
4
2
BM10
VIDEO
AUDIO
R
L
PVID
PMVID
PAUR
PAUMR
PAUL
PAUML
RM18
RM19
CM12
330p
CM11
330p
BM05
To BX03
Main Board
BM12
L
R
2
3
7 [4]
8 [5]
1
RM14
330R
RM15
33R
CM01
22n
CM02
22n
BM01
To BS03
AM / FM
SM01
SM02
SM03
S-
S+
Pr-
Pr+
Instal
Status
DM01
DM02
DM03
DM04
RM01
2k2
BM03
To BR02
MAIN
To BM09
KDB
BM07

INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE - CIRCUITS INTEGRES ET TRANSISTORS INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN - CIRCUITI INTEGRATI TRANSISTOR CIRCUITOS INTEGRADOS Y TRANSISTORES


4N25TV
24C04
TDA4605
MC33076
X24164
TDA 4671
HEF 4052
TEA 2261
TDA 9820
TC4052
TDA9141/N2C
TDA 6812
ST9093
STV2160
MV 18173D
TCE2ACU
TDA6151 X
CHIP
BC848B
BC858B
C B E
BC337-40
BC 557
BC 558 A-B-C
E C B
BF 422
BC368N
2SC1020
2SC2655
E BC
BC327
E C B
BD 137
BD 237
BD 436
BD 861
1 2 3
KIA 7809P1
G D S
STP2NA60F1
B C E
BUH517
TEA5101A
TDA 2616

ABBREVIATIONS - ABREVIATIONS - ABKÜRZUNGEN - ABBREVIAZIONI - ABREVIACIONES

● **AUD-MUTE**	AUDIO MUTE (37 1R01)
● **AV1/AV2**	AV1/AV2 SWITCH (A1 IX01)
● **AV1-8**	SLOW COMMAND (AV1)
● **AV1-L IN**	LEFT CHANNEL AUDIO INPUT (SCART 1) (AV1)
● **AV1-L OUT**	LEFT CHANNEL AUDIO OUTPUT (SCART 1) (AV1)
● **AV1-R IN**	RIGHT CHANNEL AUDIO INPUT (SCART 1) (AV1)
● **AV1-R OUT**	RIGHT CHANNEL AUDIO OUTPUT (SCART 1) (AV1)
● **AV1-V IN**	VIDEO INPUT (AV1)
● **AV1-V OUT**	VIDEO OUTPUT (AV1)
● **AV2-C IN**	CHROM. INPUT (SCART 2) (AV2)
● **AV2-L IN**	LEFT CHANNEL AUDIO INPUT (SCART 2) (AV2)
● **AV2-L OUT**	LEFT CHANNEL AUDIO OUTPUT (SCART 2) (AV2)
● **AV2-R IN**	RIGHT CHANNEL AUDIO INPUT (SCART 2) (AV2)
● **AV2-V IN**	VIDEO INPUT (SCART 2) (AV2)
● **AV2-V OUT**	VIDEO OUTPUT (SCART 2) (AV2)
● **AV-TUNER**	IF/MONO SWITCH
● **BREATHIN**	SCANNING SAFETY
● **B-AV1**	BLUE SIGNAL (AV1)
● **B-TXT**	BLUE SIGNAL IR01/DVT
● **C-IN**	CHROMA INPUT
● **CLK**	CLOCK SIGNAL
● **COMP-SYNC**	COMPOSITE SYNC. TO CHASSIS
● **CVBS1**	COMPOSITE VIDEO (FROM THE IF)
● **DATA**	DIGITAL DATA
● **DEGAUSS**	DEGAUSS SIGNAL
● **EW-BACK**	EAST-WEST RETURN PULSE
● **EW-DRIVE**	EAST-WEST AMPLITUDE CONTROL
● **FB-AV1**	QUICK SWITCHING (SCART 1)
● **FB-TXT**	QUICK VIDEO TEXT SWITCHING
● **FRAME-DR**	FRAME CONTROL
● **G-AV1**	GREEN INPUT (AV1)
● **G-TXT**	GREEN SIGNAL IR01/DVT
● **H-DRIVE**	HORIZONTAL CONTROL
● **H-FLY**	LINE RETURN
● **HV**	G2 AND FOCUS VOLTAGES
● **H-VCO**	UNLOCKED LINE FREQUENCY
● **ICUT**	CATHODE CURRENT MEASURE
● **IF**	SIGNAL FROM THE HFTUNER
● **LUMA IN**	LUMINANCE INPUT
● **MAIN-U**	PAL B-Y
● **MAIN-V**	PAL R-Y
● **MAIN-Y**	PAL LUMINANCE
● **NORM-T1**	STANDARD SELECTION
● **NS-N**	FRAME RETURN (DC VERTICAL AMPLITUDE)
● **NS-P**	FRAME RETURN (AC VERTICAL FRAMING)
● **NTSC-T1**	NTSC STANDARD SELECTION
● **NVM**	NON-VOLATILE MEMORY
● **R_AV1**	CHROM. INPUT/RED INPUT (AV1)
● **R_TXT**	RED SIGNAL (IR01/DVT)
● **SCL**	I2C BUS CLOCK
● **SDA**	I2C BUS DATA
● **S / SYM**	GEOMETRY CONTROL
● **SENSEN**	VERTICAL FRAMING CONTROL
● **SENSEP**	VERTICAL AMPLITUDE CONTROL
● **SIF MONO**	MONO IF OR STEREO IF OUTPUT
● **SS**	POWER CONTROL
● **SSC**	SUPER SANDCASTLE
● **SSC5V**	SUPER SANDCASTLE 5Vpp
● **STBY**	STANDBY VOLTAGE
● **T1 AV-SW**	SWITCH (A0 IX01)
● **T1-AM-AF**	AM AUDIO L STANDARD
● **T1-CVBS**	CVBS (IF 6)
● **TXT-OUT**	VIDEO TEXT OUTPUT
● **USYS**	SYSTEM POWER
● **+ USYS -USYS**	**LF AMPLI POWER SUPPLY**
● **VCC1**	SWITCHED VOLTAGE
● **VDC**	VERTICAL PROTECTION
● **V-TUN**	VARICAP VOLTAGE

Chassis
ICC9 4/3

Ersatzteile · Spare parts list · Liste de pièces de rechange
Lista de piezas de recambio · Lista parti di ricambio

Wichtig: Bei Ersatzteilbestellungen bitte unbedingt die entsprechende Bestellnummer angeben!
N.B.: When demanding Spare Parts it is absolutely necessary to quote the corresponding part number!
Important: Lors d'une commande de pièces de rechange, prière d'indiquer et tout cas le numéro de la pièce!
Importante: Ordinare sempre con il numero correspondenti di codice!
Importante: Pedir siempre los recambios con el numero correspondiente codigo!

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		MOD./AUSTAUSCHTEILE:	**EXCHANGE PARTS:**	**ECHANGE PLATINE:**
AMFM9100	101.811.90	AM/FM9100 TON-MODUL	AM/FM9100 PCB SOUND	MA/FI9100 PLATINE
AMFM9101	101.812.00	AM/FM9101 TON-MODUL	AM/FM9101 PCB SOUND	MA/FI9101 PLATINE
AMFM9104	103.487.40	AM/FM9104 TON-MODUL	AM/FM9104 PCB SOUND	MA/FI9104 PLATINE
AMFM9215	100.088.50	AM/FM9215 TON-MODUL	AM/FM9215 PCB SOUND	MA/FI9215 PLATINE
AMFM9315	100.532.20	AM/FM9315 TON-MODUL	AM/FM9315 PCB SOUND	MA/FI9315 PLATINE
AMFM9415	100.532.30	AM/FM9415 TON-MODUL	AM/FM9415 PCB SOUND	MA/FI9415 PLATINE
AMFM9615	100.685.70	AM/FM9615 TON-MODUL	AM/FM9615 PCB SOUND	MA/FI9615 PLATINE
CRT9000	100.101.40	CRT9000 BILDROHR-PLATTE	CRT9000 PCB CRT-SOCKET	CRT9000 PLATINE
CRT9001	100.665.40	CRT9001 BILDROHR-PLATTE	CRT9001 PCB CRT-SOCKET	CRT9001 PLATINE
CRT9002	100.665.60	CRT9002 BILDROHRANSCHLUSS	CRT9002 PCB CRT-SOCKET	CRT9002 PLATINE
CRT9004	102.328.60	CRT9004 BILDROHRANSCHLUSS	CRT9004 PCB CRT-SOCKET	CRT9004 PLATINE
CRT9100	101.510.20	CRT9100 BILDROHRANSCHLUSS	CRT9100 PCB CRT-SOCKET	CRT9100 PLATINE
CRT9101	101.510.30	CRT9101 BILDROHRANSCHLUSS	CRT9101 PCB CRT-SOCKET	CRT9101 PLATINE
CRT9102	101.510.40	CRT9102 BILDROHRANSCHLUSS	CRT9102 PCB CRT-SOCKET	CRT9102 PLATINE
CRT9104	102.697.60	CRT9104 BILDROHRANSCHLUSS	CRT9104 PCB CRT-SOCKET	CRT9104 PLATINE
CRTB9001	101.611.80	CRT BS9001 BILDROHRANSCHLUSS	CRT BS9001 PCB CRT-SOCKET	CRT BS9001 PLATINE
DVT9000	100.046.30	DVT9000 VIDEOTEXT	DVT9000 PCB TELETEXT	DVT9000 PLATINE
DVT9001	100.046.40	DVT9001 VIDEOTEXT	DVT9001 PCB TELETEXT	DVT9001 PLATINE
DVT9002	102.697.70	DVT9002 VIDEOTEXT	DVT9002 PCB TELETEXT	DVT9002 PLATINE
DVT9003	102.697.80	DVT9003 VIDEOTEXT	DVT9003 PCB TELETEXT	DVT9003 PLATINE
DVT9100	101.556.30	DVT9100 VIDEOTEXT 4:3	DVT9100 PCB TELETEXT	DVT9100 PLATINE
IF2139	243.057	IF2139.01 ZF-VERSTÄRKER	IF2139.01 UNIT, IF	IF2139.01 UNITE, MF
IF2239	349.354.381	IF2239 ZF-VERSTÄRKER	IF2239.01 UNIT IF	IF2239.01 UNITE MF
IF2332	101.299.00	IF2332 ZF-VERSTÄRKER	IF2332 UNIT IF	IF2332 UNITE MF
IF2339	101.298.40	IF2339 ZF-VERSTÄRKER	IF2339 UNIT	MF2339 UNITE
IF2343	100.969.80	IF2343 ZF-VERSTAER- KER	IF2343 UNIT	MF2343 UNITE
IF3349	103.038.10	IF3349 ZF-VERSTÄRKER	IF3349 UNIT	MF3349 UNITE
MTP2015	349.357.098	MTP-MM2015 TUNER (Hyperband)	MTP-MM2015 TUNER	MTP-MM2015 TUNER
MTP4015F	202.619.10	MTP4015F TUNER UVP	MTP4015F TUNER	MTP4015F TUNER
MTP4015F	202.576.50	MTP4015F TUNER VP	MTP4015F TUNER	MTP4015F TUNER

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
ZOOM9620	100.666.90	ZOOM9620 ZOOM	ZOOM9620 PCB ZOOM	ZOOM9620 PLATINE
ZOOM9680	100.844.90	ZOOM9680 ZOOM	ZOOM9680 PCB ZOOM	ZOOM9680 PLATINE
ZOOM9690	101.602.10	ZOOM9690 ZOOM	ZOOM9690 PCB ZOOM	ZOOM9690 PLATINE
		MOD./KEIN AUSTAUSCH:	**MODULES:**	**PLATINE:**
NI9000	100.666.40	NI9000 NICAM-LEITERPLATTE	NI9000 PCB SUB	NI9000 PLATINE SUB
SUB	100.755.10	SUB 2H 9400 LTP	SUB 2H 9400 PCB	SUB 2H 9400 PLATINE
		CHASSIS-TEILE	**CHASSIS PARTS**	**CHASSIS-PARTIE**
BA01	239.054	Stiftleiste 12polig.US stehend	12 pin contact housing	Culot a 12 broches
BA02	110.807.20	Stiftleiste 15polig US stehend	15 pin contact housing	Culot a 15 broches
BA05	100.055.20	Buchse Lautsprecher Mono	Speaker jack	Prise hautparleur
BA05	100.075.20	Buchse Lautsprecher	Speaker jack	Prise hautparleur
BL05	239.031	Stiftleiste 3polig. US blau stehend	Contact strip 3-pole, blue	Connecteur male 3 broches, bleu
BR01	309.650.061	Stiftleiste 3polig rot UF	Contact strip 3-pole, red	Connecteur male 3 broches, rouge
BR02	260.789	Stiftleiste 12polig. MICS 12 SW	Contact strip 12-pole, black	Connecteur male 12 broches
BR03	266.713	Stiftleiste 4polig MICS4	Contact strip 4-pole black	Connecteur male 4 broches
BR05	604.307.75	Stiftleiste 4polig US stehend	4 pin contact housing UF	Culot a 4 broches UF
BT04	309.650.091	Stiftleiste 15polig natur UF	Contact strip 15-pole	Connecteur male 15 broches
BV01	509.029.80	Stiftleiste 7pol. US rot stehend	7 pin contact housing	Culot a 7 broches
BX01	309.651.034	Buchse Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BX02	100.616.90	Abdeckung Scart ICC9	Cover plug	Cache
BX02	309.651.034	Buchse Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BX03	243.598	Stiftleiste 7polig. US stehend	7 pin wafer	Barrette de contact 7 voies
BX50	309.650.092	Stiftleiste 4polig Liegend	Contact strip 4-pole	Connecteur male 4 broches
CL07	140.358.70	10NF 400V 5% Kondensator	10NF 400V 5% Capacitor	10NF 400V 5% Condensateur
CL11	239.322	10UF 250V 20% Elko	10UF 250V 20% E cap	10UF 250V 20% CC
CL12	243.879	330PF 400V 20% Keramik-Kondensator	330PF 400V 20% C cap	330PF 400V 20% CC
CL13	243.879	330PF 400V 20% Keramik-Kondensator	330PF 400V 20% C cap	330PF 400V 20% CC
CL21	101.657.70	6N3F 1K6V 3,5% Filmkondensator	6N3F 1K6V 3,5% Film cap	6N3F 1K6V 3,5% Condensateur film
CL21	201.883.40	16N8F 1K6V 3,5% Filmkondensator	16N8F 1K6V 3,5% Film cap	16N8F 1K6V 3,5% Condensateur
CL21	256.986	12N 1,5KV CFS Kondensator	12NF 1K5V 3,5% Film cap	12NF 1K5V 3,5% Condensateur
CL21	309.431.485	12N4F 1K6V 3,5% Filmkondensator	12N4F 1K6V 3,5% Film cap	12N4F 1K6V 3,5% Condensateur
CL21	309.433.767	13N1F 1K5V 3,5% MKP-Kondensator	13N1F 1K5V 3,5% MKPoly cap	13N1F 1K5V 3,5% C KPM
CL22	266.240	26NF 400V MKP-Kondensator	26NF 400V 5% MKPoly cap	26NF 400V 5% C KPM
CL22	309.433.772	20NF 400V MKPS-Kondensator	20NF 400V 5% MKPoly cap	20NF 400V 5% C KPM
CL22	803.058.00	22N0F 400V 5% Filmkondensator	22N0F 400V 5% Film cap	22N0F 400V 5% Condensateur film
CL23	101.390.10	3N3F 400V 5% MP-Kondensator	3N3F 400V 5% MPoly cap	3N3F 400V 5% C MP
CL23	150.011.30	10NF 400V 5% MP-Kondensator	10NF 400V 5% MPoly cap	10NF 400V 5% C MP
CL23	256.384	8N2F 400V 5% MP-Kondensator	8N2F 400V 5% MPoly cap	8N2F 400V 5% C MP
CL24	246.816	1UF 250V 10% Filmkondensator	1UF 250V 10% Film cap	1UF 250V 10% Condensateur
CL27	100.779.60	510N0F 250V 5% Filmkondensator	510N0F 250V 5% Film cap	510N0F 250V 5% Condensateur film
CL27	101.390.00	680N0F 250V 5% Filmkondensator	680N0F 250V 5% Film cap	680N0F 250V 5% Condensateur film
CL27	309.433.768	390NF 250V 10% MKP-Kondensator	390NF 250V 10% Film cap	390NF 250V 10% Condensateur
CL27	309.434.626	360NF MKPSKO 250V 5% Kondensator	360NF 250V 5% Film cap	360NF 250V 5% Condensateur
CL27	440.089	470NF 250V 5% MKP-Kondensator	470NF 250V 5% MPoly cap	470NF 250V 5% C PP
CL40	100.608.30	1U0F 250V 20% Elko	1U0F 250V 20% E cap	1U0F 250V 20% C chimique
CL40	101.211.70	3U3F 160V 20% Elko	3U3F 160V 20% E cap	3U3F 160V 20% C chimique
CL40	246.576	2U2F 160V Elko	2U2F 160V E cap	2U2F 160V CC
CL42	101.220.40	4U7F 160V 20% Elko	4U7F 160V 20% E cap	4U7F 160V 20% C chimique
CP01	239.351	68N 250V 20% MP-Kondensator	68NF 250V 20% MPoly cap	68NF 250V 20% C MP
CP07	309.442.972	1N5F 1KV Keramik-Kondensator	1N5F 1KV C cap	1N5F 1KV C ceramique
CP08	100.971.70	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap	4N7F 1KV C ceramique
CP09	100.971.70	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap	4N7F 1KV C ceramique
CP10	238.266	330PF 400V 20% Keramikkondersator	330PF 400V 20% C cap	330PF 400V 20% C ceramique

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
CP11	100.993.90	470P0F 2KV Keramik-Kondensator	470P0F 2KV C cap	470P0F 2KV C ceramique
CP12	100.993.80	150P0F 2KV Keramik-Kondensator	150P0F 2KV C cap	150P0F 2KV C ceramique
CP13	309.460.614	2N2F 1KV 20% MPP-Kondensator	2N2F 1KV 20% MPoly cap	2N2F 1KV 20% C PP
CP14	309.418.404	150UF 385V Elko	150UF 385V E cap	150UF 385V CC
CP50	101.106.90	1N5F 400V 20% Keramik-Kondensator	1N5F 400V 20% C cap	1N5F 400V 20% C ceramique
CP50A	309.951.997	Schutzkappe F.CP21/ 49/50	Protection cap	Capot plastique
CP62	266.247	100PF 1KV 20% Keramik-Kondensator	100PF 1KV 20% C cap	100PF 1kV 20% C ceramique
DA09	309.327.108	ZPD39 Z-Diode	ZPD39 Z-Diode	ZPD39 Z- Diode
DA09	351.243.3000	ZPD30 Z-Diode	ZPD30 Z-Diode	ZPD30 Z-Diode
DC01	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DC30	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DF01	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DF02	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DF07	266.939	ZPD15V Z-Diode	ZPD15V Z-Diode	ZPD15V Z-Diode
DF11	462.299	BAV21 Diode	BAV21 Diode	BAV21 Diode
DF28	462.299	BAV21 Diode	BAV21 Diode	BAV21 Diode
DF30	462.299	BAV21 Diode	BAV21 Diode	BAV21 Diode
DF31	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DF32	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DH01	276.644	ZPD33V 0,5W 5% Z-Diode	ZPD33V 0,5W 5% Z-Diode	ZPD33V 0,5W 5% Z-Diode
DL11	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL12	309.325.149	BY296 Diode	BY296 Diode	BY296 Diode
DL13	309.325.087	BY297 Diode	BY297 Diode	BY297 Diode
DL21	239.228	BY228 Diode mit Kühlfahne	BY228 Diode	BY228 Diode
DL22	266.280	BYW76 Diode	BYW76 Diode	BYW76 Diode
DL28	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL40	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DL40	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DL60	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DL61	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL62	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL63	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL64	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL65	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL66	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL67	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL68	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL69	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL70	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP02	309.325.163	BY255 Diode	BY255 Diode	BY255 Diode
DP03	309.325.163	BY255 Diode	BY255 Diode	BY255 Diode
DP04	309.325.163	BY255 Diode	BY255 Diode	BY255 Diode
DP05	309.325.163	BY255 Diode	BY255 Diode	BY255 Diode
DP10	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP13	490.007.4145	MUR160 Diode	MUR160 Diode	MUR160 Diode
DP17	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP18	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP19	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP23	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP26	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP30	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP31	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP34	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP35	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP36	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP41	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP51	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP54	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP55	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP56	309.327.095	ZPD3,9 Z-Diode	ZPD3,9 Z-Diode	ZPD3,9 Z-Diode
DP57	266.939	ZPD15V Z-Diode	ZPD15V Z-Diode	ZPD15V Z-Diode

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
DP58	351.243.3000	ZPD30 Z-Diode	ZPD30 Z-Diode	ZPD30 Z-Diode
DP59	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP61	266.469	BY399 Diode 800V	BY399 Diode	BY399 Diode
DP63	266.534	BY397 Diode	BY397 Diode	BY397 Diode
DP63	339.527.063	BY396 Diode	BY396 Diode	BY396 Diode
DP64	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP65	339.529.957	ZPD24 Z-Diode	ZPD24 Z-Diode	ZPD24 Z-Diode
DP66	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP67	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP68	339.529.794	ZPD3,3 Z-Diode	ZPD3,3 Z-Diode	ZPD3,3 Z-Diode
DP72	100.983.00	ZPD68 Z-Diode	ZPD68 Z-Diode	ZPD68 Z-Diode
DP72	309.327.145	ZPY82 Z-Diode	ZPY82 Z-Diode	ZPY82 Z-Diode
DP73	266.534	BY397 Diode	BY397 Diode	BY397 Diode
DP73	339.527.063	BY396 Diode	BY396 Diode	BY396 Diode
DP76	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP77	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP79	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP80	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP81	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP82	266.469	BY399 Diode 800V	BY399 Diode	BY399 Diode
DP82	266.534	BY397 Diode	BY397 Diode	BY397 Diode
DP83	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP84	160.082.70	1N5817 Diode	1N5817 Diode	1N5817 Diode
DP84	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP87	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP88	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DR27	309.327.124	ZPD2,7 Z-Diode	ZPD2,7 Z-Diode	ZPD2,7 Z-Diode
DR42	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DR81	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DR84	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV01	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DV03	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DV13	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV26	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV27	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV31	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV32	309.325.125	BZX55C6V8 Z-Diode	BZX55C6V8 Z-Diode	BZX55C6V8 Z-Diode
DV34	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DX01	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DX03	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
IA01	100.080.50	TDA2614 IC	TDA2614 IC	TDA2614 CI
IA01	100.080.60	TDA2616 IC	TDA2616 IC	TDA2616 CI
IA01	261.825	Montageclip	Clip 1	Agrafe 1
IA01	309.903.844	Montageclip	Clip metal	Agrafe
IC01	100.078.80	STV2151AF IC	STV2151AF IC	STV2151AF CI
IC01	674.567.00	IC-Fassung 30polig	IC socket 30pole	Support CI 30 voies
IC02	101.128.60	TDA4671 IC	TDA4671 IC	TDA4671 CI
IF01	252.593	Silikonscheibe	Silicon plate	Rondelle silicone
IF01	261.827	Montageclip	Clip	Agrafe
IF01	309.368.686	TDA8172 IC	TDA8172 IC	TDA8172 CI
IP01	309.368.549	TEA2261 IC	TEA2261 IC	TEA2261 CI
IP02	704.014.02	AN7809/MC7809 IC	AN7809/MC7809 IC	AN7809/MC7809 IC
IP03	704.014.02	AN7809/MC7809 IC	AN7809/MC7809 IC	AN7809/MC7809 IC

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
IR01	101.308.00	ST92T93B1/BJ IC prog. ohne Sockel	ST92T93B1/BJ IC	ST92T93B1/BJ CI
IR01	300.181.30	ST92T93B1/BJ IC prog. mit Sockel	ST92T93B1/BJ IC	ST92T93B1/BJ CI
IR01	101.772.90	ST9293J5B1/FU SOFT10/FT IC prog. o. S.	ST9293J5B1/FU IC	ST9293J5B1/FU CI
IR01	300.317.70	ST9293J5B1/FU SOFT10/FT IC prog. m. S.	ST9293J5B1/FU IC	ST9293J5B1/FU CI
IR01	101.773.00	ST9293J7B1/FP SOFT20/FP IC prog. o. S.	ST9293J7B1/FP IC	ST9293J7B1/FP CI
IR01	250.795.70	ST9293J7B1/FP SOFT20/FP IC prog. m. S.	ST9293J7B1/FP IC	ST9293J7B1/FP CI
IR01	300.342.30	ST9293J7B1/FP SOFT20/FP IC prog. m. S.	ST9293J7B1/FP IC	ST9293J7B1/FP CI
IR01	101.773.40	ST9293J7B1/XX SOFT25/FT IC prog. o. S.	ST9293J7B1/XX IC	ST9293J7B1/XX CI
IR01	300.342.50	ST9293J7B1/XX SOFT25/FT IC prog. m. S.	ST9293J7B1/XX IC	ST9293J7B1/XX CI
IR01	101.773.30	ST9293J7B1/XX SOFT25/TT IC prog. O. S.	ST9293J7B1/XX IC	ST9293J7B1/XX CI
IR01	300.342.40	ST9293J7B1/XX SOFT25/TT IC prog. m. S.	ST9293J7B1/XX IC	ST9293J7B1/XX CI
IR01	102.950.90	ST9293J7B1 SOFT25BTT IC prog. O. S.	ST9293J7B1 IC	ST9293J7B1 CI
IR01	300.430.80	ST9293J7B1 SOFT25BTT IC prog. m. S.	ST9293J7B1 IC	ST9293J7B1 CI
IR01	102.469.70	ST9293J7B1/LC SOFT28/TF IC prog. O. S.	ST9293J7B1/LC IC	ST9293J7B1/LC CI
IR01	300.392.90	ST9293J7B1/LC SOFT28/TT IC prog. m. S.	ST9293J7B1/LC IC	ST9293J7B1/LC CI
IR01	103.669.80	ST9293J9B1 SOFT100/BTT IC prog. o. S	ST9293J9B1/AEB IC	ST9293J9B1/AEB CI
IR01	300.634.30	ST92T93J9B1 SOFT100/B IC prog. m. S.	ST92T93J9B1 OTP IC	ST92T93J9B1 OTP CI
IR01	300.635.30	ST92T93J9B1 SOFTSAT100B4/3 V5.17-E	ST92T93J9B1 OTP IC	ST92T93J9B1 OTP CI
IR01	309.689.966	IC-Fassung 42polig	IC socket 42pole	Support CI 42 voies
IR02	243.022	IC-Fassung 8polig	IC socket 8pole	Support CI 8 voies
IR02	490.008.0379	X24C04 IC	X24C04 IC	X24C04 CI
IV01	110.391.62	STV2160SAF IC	STV2160SAF IC	STV2160SAF CI
IX01	309.368.217	MC14052BCP IC	MC14052BCP IC	MC14052BCP CI
LC01	339.349.708	10UH Drossel	10UH Choke coil	10UH Self
LC03	246.995	4U7H 10% Drossel	4U7H 10% Choke coil	4U7H 10% Self
LH02	100.940.40	5M5HZ 7X7 Filter	5M5HZ 7X7 Filter	5M5HZ 7X7 Filtre
LH03	246.995	4U7H 10% Drossel	4U7H 10% Choke coil	4U7H 10% Self
LH03	404.383.90	12UH 5% Drossel	12UH 5% Choke coil	12UH 5% Self
LH04	309.250.001	27UH 5% Drossel	27UH 5% Choke coil	27UH 5% Self
LL05	100.066.20 S	Diodensplit-Trafo C85MB	Diode split transformer	Transformateur THT
LL05	100.351.40 S	Diodensplit-Trafo 85MB	Diode split transformer	Transformateur THT
LL05	100.351.60 S	Diodensplit-Trafo C85MB 90°	Diode split transformer	Transformateur THT
LL05	100.897.40 S	Diodensplit-Trafo 89	Diode split transformer	Transformateur THT
LL05	102.291.70 S	Diodensplit-Trafo DST C89	Diode split transformer	Transformateur THT
LL08	100.356.10 S	Kombi-Spule	Combi coil	Bobine
LL08	100.926.90 S	Kombi-Spule	Combi coil	Bobine
LL08	100.950.60 S	Kombi-Spule	Combi coil	Bobine
LL10	339.349.708	10UH Drossel	10UH Choke coil	10UH Self
LL23	101.365.40	24UH 4% Drossel	24UH 4% Choke coil	24UH 4% Self
LL23	309.249.314	48U5H Spule	48U5H Choke coil	48U5H Self
LL23	309.249.337	83UH Spule	Coil, 83µH	Self, 83µH
LL26	102.447.90 S	18UH Spule H-Linearität	18UH H-Linearity coil	18UH Bobine linearite
LL26	204.596.44 S	27UH Spule H-Linearität	27UH Linearity coil	27UH Bobine linearite
LL26	309.249.327 S	30UH Spule H-Linearität	30UH H-Linearity coil	30UH Bobine linearite
LL26	309.249.415 S	85UH Linearitätsspule	85UH Linearity coil	85UH Bobine linearite
LL26	508.732.54	30U5H Spule H-Linearität	30U5H H-Linearity coil	30U5H Bobine linearite
LL30	100.626.10	18U 10% Drossel	18U 10% Choke coil	18U 10% Self
LL30	256.897	20UH Spule	20UH 4% Choke coil	20UH 4% Self

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
LL30	260.804	35UH Spule	35UH Coil	35UH Self
LL30	309.250.006	23UH 4% Drossel	23UH 4% Choke coil	23UH 4% Self
LL30	309.250.996	28UH Drossel	28UH Choke coil	28UH Self
LL61	473.229.00	95UH 4% Drossel	95UH 4% Choke coil	95UH 4% Self
LL63	246.773	2U2H 10% Drossel	2U2H 10% Choke coil	2U2H 10% Self
LP10	101.170.50 S	Trafo Schaltnetzteil SMT7	Switched mode power transformer	Transformateur d'alimentation
LP10	101.207.20 S	Trafo Schältnetzteil SMT7 f. Mono	Switched mode power transformer	Transformateur d'alimentation
LP10	102.039.40 S	Trafo Schaltnetzteil SMT7 (G5160-02)	Switched mode power transformer	Transformateur d'alimentation
LP10	102.272.10 S	Trafo Schaltnetzteil SMT7 90	Switched mode power transformer	Transformateur d'alimentation
LP13	266.232	Ferritperle	Ferrite bead	Perle ferrite
LP24	246.773	2U2H 10% Drossel	2U2H 10% Choke coil	2U2H 10% Self
LP44	309.309.989	Treibertransformator	Driver transformer	Transformateur
LR01	243.035	10UH 10% Drossel	10UH 10% Choke	10UH 10% Self
LR71	339.349.710	4U7H Drossel	4U7H Choke coil	4U7H Self
LR73	339.349.710	4U7H Drossel	4U7H Choke coil	4U7H Self
LR75	339.349.710	4U7H Drossel	4U7H Choke coil	4U7H Self
LR77	339.349.710	4U7H Drossel	4U7H Choke coil	4U7H Self
QC01	100.877.10	4M433619HZ Quarz	4M433619HZ Crystal	4M433619HZ Quartz
QC02	100.877.20	3M579545HZ Quarz	3M579545HZ Crystal	3M579545HZ Quartz
QR01	101.191.40	22M0HZ Quarz	22M0HZ Crystal	22M0HZ Quartz
RA01	100.379.00 S	8R2 0,5W 5% Sicherheitswiderstand	8R2 0,5W 5% Fusible resistor	8R2 0,5W 5% Résistance fusible
RA03	100.379.00 S	8R2 0,5W 5% Sicherheitswiderstand	8R2 0,5W 5% Fusible resistor	8R2 0,5W 5% Résistance fusible
RC20	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RC23	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RC24	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RC25	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RC33	339.537.717 S	1R 0,3W 5% Sicherheitswiderstand	1R 0,3W 5% Fusible resistor	1R 0,3W 5% Résistance fusible
RF11	309.580.973 S	1R5 0,5W 5% Sicherheitswiderstand	1R5 0,5W 5% Fusible resistor	1R5 0,5W 5% Resistance fusible
RF12	102.252.70	1R5 0,7W 5% Metalloxydwiderstand	1R5 0,7W 5% Metal oxide resistor	1R5 0,7W 5% Resistance metallique
RF12	309.530.698	1R 0,7W 5% Metalloxydwiderstand	1R 0,7W 5% Metal oxide resistor	1R 0,7W 5% Resistance metallique
RF15	108.833.00 S	10R 0,5W 5% Sicherheitswiderstand	10R 0,5W 5% Fusible resistor	10R 0,5W 5% Résistance fusible
RF20	102.337.20	220R 0,7W 1% Metallfilmwiderstand	220R 0,7W 1% Metal film resistor	220R 0,7W 1% Resistance metall.
RF21	309.580.973 S	1R5 0,5W 5% Sicherheitswiderstand	1R5 0,5W 5% Fusible resistor	1R5 0,5W 5% Resistance fusible
RH12	309.580.955 S	22R 0,3W 5% Sicherheitswiderstand	22R 0,3W 5% Fusible resistor	22R 0,3W 5% Resistance fusible
RH13	100.379.00 S	8R2 0,5W 5% Sicherheitswiderstand	8R2 0,5W 5% Fusible resistor	8R2 0,5W 5% Résistance fusible
RH13	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RL03	309.580.974 S	0R1 O,4W 10% Sicherheitswiderstand	0R1 0,4W 10% Fusible resistor	0R1 0,4W 10% Resistance fusible
RL09	101.477.20	69K8 0,7W 1% Metallfilmwiderstand	69K8 0,7W 1% Metal film resistor	69K8 0,7W 1% Resistance metall.
RL09	101.477.40	68K1R 0,7W 1% Metallfilmwiderstand	68K1R 0,7W 1% Metal film resistor	68K1R 0,7W 1% Resistance metall.
RL09	101.480.60	80K6R 0,7W 1% Metallfilmwiderstand	80K6R 0,7W 1% Metal film resistor	80K6R 0,7W 1% Resistance metall.
RL09	101.481.30	64K9R 0,7W 1% Metallfilmwiderstand	64K9R 0,7W 1% Metal film resistor	64K9R 0,7W 1% Resistance metall.
RL09	101.490.50	88K7R 0,7W 1% Metallfilmwiderstand	88K7R 0,7W 1% Metal film resistor	88K7R 0,7W 1% Resistance metall.
RL09	101.533.90	95K3R 0,7W 1% Metallfilmwiderstand	95K3R 0,7W 1% Metal film resistor	95K3R 0,7W 1% Resistance metall.
RL09	102.242.30	61K9R 0,7W 1% Metallfilmwiderstand	61K9R 0,7W 1% Metal film resistor	61K9R 0,7W 1% Resistance metall.
RL09	102.242.50	51K1R 0,7W 1% Metallfilmwiderstand	51K1R 0,7W 1% Metal film resistor	51K1R 0,7W 1% Resistance metall.
RL09	102.244.40	60K4R 0,7W 1% Metallfilmwiderstand	60K4R 0,7W 1% Metal film resistor	60K4R 0,7W 1% Resistance metall.
RL09	102.246.80	78K7R 0,7W 1% Metallfilmwiderstand	78K7R 0,7W 1% Metal film resistor	78K7R 0,7W 1% Resistance metall.
RL09	102.249.20	82K5R 0,7W 1% Metallfilmwiderstand	82K5R 0,7W 1% Metal film resistor	82K5R 0,7W 1% Resistance metall.
RL11	309.580.969 S	15R 0,5W 5% Sicherheitswiderstand	15R 0,5W 5% Fusible resistor	15R 0,5W 5% Resistance fusible
RL12	150.202.40	66K5R 0,4W 1% Metallfilmwiderstand	66K5R 0,4W 1% Metal film resistor	66K5R 0,4W 1% Resistance metall.
RL12	413.073.01	73K2R 0,4W 1% Metallfilmwiderstand	73K2R 0,4W 1% Metal film resistor	73K2R 0,4W 1% Resistance metall.
RL13	150.202.40	66K5R 0,4W 1% Metallfilmwiderstand	66K5R 0,4W 1% Metal film resistor	66K5R 0,4W 1% Resistance metall.
RL13	309.537.648	39K2R 0,4W 1% Metallfilmwiderstand	39K2R 0,4W 1% Metal film resistor	39K2R 0,4W 1% Resistance metall.

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
RL13	413.068.01	64K9R 0,4W 1% Metallfilmwiderstand	64K9R 0,4W 1% Metal film resistor	64K9R 0,4W 1% Resistance metall.
RL13	413.073.01	73K2R 0,4W 1% Metallfilmwiderstand	73K2R 0,4W 1% Metal film resistor	73K2R 0,4W 1% Resistance metall.
RL14	101.512.70	56K 2W 10% Metalloxidwiderstand	56K 2W 10% Oxide metal resistor	56K 2W 10% Resistance metallique
RL23	243.840	27R 3W 5% Drahtwiderstand	27R 3W 5% Wire resistor	27R 3W 5% Resistance bobine
RL23	243.901	120R 2W 5% Metalloxydwiderstand	120R 2W 5% Metal oxide resistor	120R 2W 5% Resistance metallique
RL23	703.740.00	39R 3W 5% Drahtwiderstand	39R 3W 5% Wire resistor	39R 3W 5% Resistance bobine
RL26	309.580.952 S	1KR 0,5W 10% Sicherheitswiderstand	1KR 0,5W 10% Fusible resistor	1KR 0,5W 10% Resistance fusible
RL30	101.513.10 S	4K7 0,7W 5% Sicherheitswiderstand	4K7 0,7W 5% Fusible resistor	4K7 0,7W 5% Resistance fusible
RL30	101.521.30 S	2K2R 0,5W 5% Sicherheitswiderstand	2K2R 0,5W 5% Fusible resistor	2K2R 0,5W 5% Résistance fusible
RL30	249.216 S	18KR 0,7W 10% Sicherheitswiderstand	18KR 0,7W 10% Fusible resistor	18KR 0,7W 10% Résistance fusible
RL40	150.123.30	18K2R 0,4W 1% Metallfilmwiderstand	18K2R 0,4W 1% Metal film resistor	18K2R 0,4W 1% Resistance metall.
RL40	411.287.01	16K2R 0,4W 1% Metallfilmwiderstand	16K2R 0,4W 1% Metal film resistor	16K2R 0,4W 1% Resistance metall.
RL45	401.767 S	1Ω 0,3W 10% Sicherheitswiderstand	Fusible resistor 1Ω 0,3W 10%	Resistance fusible 1Ω 0,3W 10%
RL45	411.198.02 S	3R3 0,35W 5% Sicherheitswiderstand	3R3 0,35W 5% Fusible resistor	3R3 0,35W 5% Résistance fusible
RL50	309.580.974 S	0R1 O,4W 10% Sicherheitswiderstand	0R1 0,4W 10% Fusible resistor	0R1 0,4W 10% Resistance fusible
RL90	101.600.70	10R 10W 10% Drahtwiderstand	10R 10W 10% Wire resistor	10R 10W 10% Resistance bobine
RP01	309.560.952	25R PTC-Widerstand	25R PTC resistor	25R Resistance CTP
RP01	309.560.955	18R 220V PTC-Widerstand	18R 220V PTC resistor	18R 220V Resistance CTP
RP07	309.537.650	39K 4W 10% Metalloxidwiderstand	39K 4W 10% Metal oxide resistor	39K 4W 10% Resistance metallique
RP10	243.798 S	0R33 0,4W 10% Sicherheitswiderstand	0R33 0,4W 10% Fusible resistor	0R33 0,4W 10% Resistance fusible
RP13	100.094.20	270R 10W 10% Drahtwiderstand	270R 10W 10% Wire resistor	270R 10W 10% Resistance bobine
RP41	101.513.20	18R 2W 5% Metalloxidwiderstand	18R 2W 5% Oxide metal resistor	18R 2W 5% Resistance metallique
RP41	309.556.273	18R 3W 5% Drahtwiderstand	18R 3W 5% Wire resistor	18R 3W 5% Resistance bobine
RP50	309.530.716	10M 0,7W 5% Schichtwiderstand	10M 0,7W 5% Film resistor	10M 0,7W 5% Resistance a couche
RP69	101.513.30	0R27 1,5W 5% Metalloxidwiderstand	0R27 1,5W 5% Oxide metal resistor	0R27 1,5W 5% Resistance metall.
RP69	101.513.40	0R56 1,5W 5% Metalloxidwiderstand	0R56 1,5W 5% Oxide metal resistor	0R56 1,5W 5% Resistance metall.
RR01	309.580.974 S	0R1 O,4W 10% Sicherheitswiderstand	0R1 0,4W 10% Fusible resistor	0R1 0,4W 10% Resistance fusible
RV01	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RV32	413.033.01	22K1R 0,4W 1% Metallfilmwiderstand	22K1R 0,4W 1% Metal film resistor	22K1R 0,4W 1% Resistance metall.
RV32	413.443.01	4K75 0,25W 1% Metallfilmwiderstand	4K75 0,25W 1% Metal film resistor	4K75 0,25W 1% Resistance metall.
RX24	411.174.01	475R 0,4W 1% Metallfilmwiderstand	475R 0,4W 1% Metal film resistor	475R 0,4W 1% Resistance metall.
RX25	412.839.01	82R5 0,4W 1% Metallfilmwiderstand	82R5 0,4W 1% Metal film resistor	82R5 0,4W 1% Resistance metall.
RX33	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RX48	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RX54	412.433.01	150K 0,4W 1% Metallfilmwiderstand	150K 0,4W 1% Metal film resistor	150K 0,4W 1% Resistance metall.
RX91	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RX95	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
SP01	309.636.944	Relais 12V	Relay 12V	Relais 12V
TA01	261.825	Montageclip	Clip 1	Agrafe 1
TA01	309.001.351	BD242 Transistor	BD242 Transistor	BD242 Transistor
TA02	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TA20	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TC01	309.001.246	BC368 Transistor	BC368 Transistor	BC368 Transistor
TC01	339.556.898	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TC02	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TC03	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TC04	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TH01	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TH03	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TH04	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TH05	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL19	103.477.20	BUH517TH17 Transistor	BUH517TH17 Transistor	BUH517TH17 Transistor
TL19	261.825	Montageclip	Clip 1	Agrafe 1

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
TL19	309.001.371	BUH517TH Transistor	BUH517TH Transistor	BUH517TH Transistor
TL19	309.005.029	BUH515 Transistor	BUH515 Transistor	BUH515 Transistor
TL19	309.005.031	BUH314DTH Transistor	Transistor, BUH314DTH	Transistor, BUH314DTH
TL40	252.593	Silikonscheibe	Silicon plate	Rondelle silicone
TL40	450.493.00	BD681 Transistor	BD681 Transistor	BD681 Transistor
TL40	703.966.00	Montageclip	Clip	Agrafe
TL51	309.368.470	UA7805CSP/MC7805 IC	UA7805CSP IC	UA7805CSP CI
TL60	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL61	101.176.70	2SC2655Y Transistor	2SC2655Y Transistor	2SC2655Y Transistor
TL62	242.866	2SA1020Y Transistor	2SA1020Y Transistor	2SA1020Y Transistor
TL63	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL64	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TL65	273.209	BC327-40 Transistor	BC327-40 Transistor	BC327-40 Transistor
TP10	102.741.70	BUV48CFI / ON4915 Transistor	BUV48CFI Transistor	BUV48CFI Transistor
TP10	261.825	Montageclip	Clip 1	Agrafe 1
TP10	309.001.390	BUH713TH Transistor	BUH713 Transistor	BUH713 Transistor
TP10	309.005.029	BUH515 Transistor	BUH515 Transistor	BUH515 Transistor
TP34	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP52	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP54	463.077	BF422 Transistor	BF422 Transistor	BF422 Transistor
TP61	339.556.222	BC547B Transistor	BC547B Transistor	BC547B Transistor
TP66	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TP67	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP69	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP76	463.077	BF422 Transistor	BF422 Transistor	BF422 Transistor
TP77	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP78	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR20	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR22	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR27	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR28	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TR42	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR55	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR80	309.001.246	BC368 Transistor	BC368 Transistor	BC368 Transistor
TR81	242.013	BC848C Transistor, SMD	BC848C Transistor, SMD	BC848C Transistor, SMD
TR81	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TR85	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR87	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TR90	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TV06	339.556.787	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TV71	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TV76	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TV81	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX03	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TX04	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX05	339.556.222	BC547B Transistor	BC547B Transistor	BC547B Transistor
TX06	339.556.222	BC547B Transistor	BC547B Transistor	BC547B Transistor
TX07	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TX08	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX09	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX10	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX11	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX12	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX13	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX14	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TX15	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TX16	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
TX17	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX18	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
-	100.005.80	Halter PSB	Holder PSB	Support PSB
-	100.616.90	Abdeckung Scart ICC9	Cover plug	Cache
-	100.636.30	Modulhalter, NICAM ICC9	Module holder	Support plastique
-	101.101.90	Leitung mit Stecker 4polig 500mm vom CHASSIS zum ZOOM	Cable with socket, 4-pole, 500mm	Cable avec fiche, 4-polaire
-	101.210.40	Halter für Kabel/DST	Cable holder	Support de câble
-	101.217.70	Modulhalter DVT/AMFM	Module holder	Support plastique
-	101.258.10	Leitung mit Stecker 7polig 340mm vom CHASSIS zum CRT	Cable with socket 7-pole 340mm	Cable avec fiche 7-polaire
-	101.325.50	Leitung mit Stecker 3polig 340mm vom CHASSIS zum CRT	Cable with socket 3-pole 340mm	Cable avec fiche 3-polaire
-	102.439.90	Leitung mit Stecker 4polig 460mm vom CHASSIS zum ZOOM	Cable with socket 4-pole 460mm	Cable avec fiche 4-polaire
-	102.600.00	Halter Modul2	Module2 holder	Support2 plastic
-	246.895	Chassisrahmen	Chassis frame	Chassis plastique
-	250.460.40	Leitung mit Stecker 4polig 340mm	Cable with socket 4-pole 340mm	Cable avec fiche 4-polaire 340mm
-	256.704	Modulhalter (Nord-Süd)	Module holder	Support plastique
-	309.699.432	Hochspannungskabel Anode	High tension cable	D'energie haute tension
-	309.699.434	Fokuskabel dünn 460mm	Focus cable 460mm	Cable focus 460mm
-	309.863.511	Chassis-Rahmen Konz. 6mm	Chassis frame	Chassis plastique
-	309.900.528	Halter VT-ZOOM	Holder vt-zoom	Support vt-zoom
-	309.902.929	Kabelhalter Fokusleitung	Cable holder	Support cable
-	309.902.930	Klemmstück für Hochspannungskabel	Cable holder	Support cable
-	309.902.931	Klemmstück Fokusleitung	Cable holder focus cable	Support de câble
-	309.951.978	Schutzkappe für Hochspannungskabel	Protection cap for high voltage cable	Capot plastique
-	309.951.997	Schutzkappe F.CP21/ 49/50	Protection cap	Capot plastique

Ersatzteile · Spare parts list · Liste de pièces de rechange
Lista de piezas de recambio · Lista parti di ricambio

Chassis
ICC9 16/9

Wichtig: Bei Ersatzteilbestellungen bitte unbedingt die entsprechende Bestellnummer angeben!
N.B.: When demanding Spare Parts it is absolutely necessary to quote the corresponding part number!
Important: Lors d'une commande de pièces de rechange, prière d'indiquer et tout cas le numéro de la pièce!
Importante: Ordinare sempre con il numero correspondenti di codice!
Importante: Pedir siempre los recambios con el numero correspondiente codigo!

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		MOD./AUSTAUSCHTEILE:	**EXCHANGE PARTS:**	**ECHANGE PLATINE:**
AMDP9014	103.798.10	AM/DP9011/9014 TON- MODUL	AM/DP9014 PCB SOUND	MA/DP9014 PLATINE
AMFM9315	100.532.20	AM/FM9315 TON-MODUL	AM/FM9315 PCB SOUND	MA/FI9315 PLATINE
AMFM9325	102.742.80	AM/FM9325 TON-MODUL BSVM	AM/FM9325 PCB SOUND	MA/FI9325 PLATINE
AMFM9416	100.532.30	AM/FM9415 TON-MODUL	AM/FM9415 PCB SOUND	MA/FI9415 PLATINE
AMFM9615	100.685.70	AM/FM9615 TON-MODUL	AM/FM9615 PCB SOUND	MA/FI9615 PLATINE
DVT9000	100.046.30	DVT9000 VIDEOTEXT	DVT9000 PCB TELETEXT	DVT9000 PLATINE
DVT9001	100.046.40	DVT9001 VIDEOTEXT	DVT9001 PCB TELETEXT	DVT9001 PLATINE
DVT9002	102.697.70	DVT9002 VIDEOTEXT	DVT9002 PCB TELETEXT	DVT9002 PLATINE
DVT9003	102.697.80	DVT9003 VIDEOTEXT	DVT9003 PCB TELETEXT	DVT9003 PLATINE
IF2239	349.354.381	IF2239 ZF-VERSTÄRKER	IF2239.01 UNIT IF	IF2239.01 UNITE MF
IF2339	101.298.40	IF2339 ZF-VERSTÄRKER	IF2339 UNIT	MF2339 UNITE
MTP4015F	202.576.50	MTP4015F TUNER VP	MTP4015F TUNER	MTP4015F TUNER
		MOD./KEIN AUSTAUSCH:	**MODULES:**	**PLATINE:**
CRT9001	100.665.40	CRT9001 BILDROHR-PLATTE	CRT9001 PCB CRT-SOCKET	CRT9001 PLATINE
CRTBS9001	101.611.80	CRT BS9001 BILDROHRANSCHLUSS	CRT BS9001 PCB CRT-SOCKET	CRT BS9001 PLATINE
CRT9004	102.328.60	CRT9004 BILDROHRANSCHLUSS	CRT9004 PCB CRT-SOCKET	CRT9004 PLATINE
NI9000	100.666.40	NI9000 NICAM-LEITERPLATTE	NI9000 PCB SUB	NI9000 PLATINE SUB
ZOOM9700	101.536.20	ZOOM9700 LTP ZOOM 16:9	ZOOM9700 PCB	ZOOM9700 PLATINE
ZOOM9715	102.364.80	ZOOM9715 LTP ZOOM 16:9	ZOOM9715 PCB	ZOOM9715 PLATINE

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		CHASSIS-TEILE	**CHASSIS PARTS**	**CHASSIS-PARTIE**
BA01	239.054	Stiftleiste 12polig. US stehend	12 pin contact housing	Culot a 12 broches
BA02	110.807.20	Stiftleiste 15polig US stehend	15 pin contact housing	Culot a 15 broches
BA05	100.075.20	Buchse Lautsprecher	Speaker jack	Prise hautparleur
BL05	239.031	Stiftleiste 3polig. US blau stehend	Contact strip 3-pole, blue	Connecteur male 3 broches, bleu
BR01	309.650.061	Stiftleiste, 3polig, rot UF	Contact strip 3-pole, red	Connecteur male 3 broches, rouge
BR02	260.789	Stiftleiste 12polig. MICS 12 SW	Contact strip 12-pole, black	Connecteur male 12 broches
BR03	266.713	Stiftleiste 4polig MICS4	Contact strip 4-pole black	Connecteur male 4 broches
BR05	604.307.75	Stiftleiste 4polig US stehend	4 pin contact housing UF	Culot a 4 broches UF
BT04	309.650.091	Stiftleiste 15polig natur UF	Contact strip 15-pole	Connecteur male 15 broches
BV01	509.029.80	Stiftleiste 7pol. US rot stehend	7 pin contact housing	Culot a 7 broches
BX01	309.651.034	Buchse Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BX02	309.651.034	Buchse Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BX03	243.598	Stiftleiste 7polig. US stehend	7 pin wafer	Barrette de contact, 7 voies
BX50	309.650.092	Stiftleiste 4polig Liegend	Contact strip 4-pole	Connecteur male 4 broches
CL07	207TX3126	0U01F 400V 5% Kondensator	0U01F 400V 5% Capacitor	0U01F 400V 5% Condensateur
CL11	239.322	10UF 250V 20% Elko	10UF 250V 20% E cap	10UF 250V 20% CC
CL12	243.879	330PF 400V 20% Keramik-Kondensator	330PF 400V 20% C cap	330PF 400V 20% CC
CL13	243.879	330PF 400V 20% Keramik-Kondensator	330PF 400V 20% C cap	330PF 400V 20% CC
CL21	256.986	12N 1,5KV CFS-Kondensator	12NF 1K5V 3,5% Film cap	12NF 1K5V 3,5% Condensateur
CL21	801.718.00	12N8F 1K6V 3,5% Filmkondensator	12N8F 1K6V 3,5% Film cap	12N8F 1K6V 3,5% Condensateur
CL22	309.433.772	20NF 400V MKPS-Kondensator	20NF 400V 5% MKPoly cap	20NF 400V 5% C KPM
CL22	803.058.00	22N0F 400V 5% Filmkondensator	22N0F 400V 5% Film cap	22N0F 400V 5% Condensateur film
CL23	246.495	4N7F 400V 5% MP-Kondensator	4N7F 400V 5% MPoly cap	4N7F 400V 5% C MP
CL23	256.384	8N2F 400V 5% MP-Kondensator	8N2F 400V 5% MPoly cap	8N2F 400V 5% C MP
CL42	101.220.40	4U7F 160V 20% Elko	4U7F 160V 20% E cap	4U7F 160V 20% C chimique
CP07	309.442.972	1N5F 1KV Keramik-Kondensator	1N5F 1KV C cap	1N5F 1KV C ceramique
CP08	100.971.70	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap	4N7F 1KV C ceramique
CP09	100.971.70	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap	4N7F 1KV C ceramique
CP10	238.266	330PF 400V 20% Keramikkondersator	330PF 400V 20% C cap	330PF 400V 20% C ceramique
CP11	100.993.90	470P0F 2KV Keramik-Kondensator	470P0F 2KV C cap	470P0F 2KV C ceramique
CP12	100.993.80	150P0F 2KV Keramik-Kondensator	150P0F 2KV C cap	150P0F 2KV C ceramique
CP13	309.460.614	2N2F 1KV 20% MPP-Kondensator	2N2F 1KV 20% MPoly cap	2N2F 1KV 20% C PP
CP14	309.418.404	150UF 385V Elko	150UF 385V E cap	150UF 385V CC
CP50	101.106.90	1N5F 400V 20% Keramik-Kondensator	1N5F 400V 20% C cap	1N5F 400V 20% C ceramique
CP62	266.247	100PF 1KV 20% Keramik-Kondensator	100PF 1KV 20% C cap	100PF 1kV 20% C ceramique
DA09	309.327.108	ZPD39 Z-Diode	ZPD39 Z-Diode	ZPD39 Z-Diode
DC01	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DC30	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DF01	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DF02	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DF07	266.939	ZPD15V Z-Diode	ZPD15V Z-Diode	ZPD15V Z-Diode
DF11	464.879	BAV21 Diode	BAV21 Diode	BAV21 Diode
DF28	464.879	BAV21 Diode	BAV21 Diode	BAV21 Diode
DF30	464.879	BAV21 Diode	BAV21 Diode	BAV21 Diode
DF31	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DF32	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DH01	276.644	ZPD33V 0,5W 5% Z-Diode	ZPD33V 0,5W 5% Z-Diode	ZPD33V 0,5W 5% Z-Diode

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
DL11	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL12	309.325.149	BY296 Diode	BY296 Diode	BY296 Diode
DL13	309.325.087	BY297 Diode	BY297 Diode	BY297 Diode
DL21	239.228	BY228 Diode mit Kühlfahne	BY228 Diode	BY228 Diode
DL22	266.280	BYW76 Diode	BYW76 Diode	BYW76 Diode
DL40	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DL40	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DL60	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DL61	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL62	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL63	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL64	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL65	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL66	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL67	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL68	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL69	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DL70	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP02	309.325.163	BY255 Diode	BY255 Diode	BY255 Diode
DP03	309.325.163	BY255 Diode	BY255 Diode	BY255 Diode
DP04	309.325.163	BY255 Diode	BY255 Diode	BY255 Diode
DP05	309.325.163	BY255 Diode	BY255 Diode	BY255 Diode
DP10	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP13	490.007.4145	MUR160 Diode	MUR160 Diode	MUR160 Diode
DP17	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP18	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP19	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP23	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP26	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP30	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP31	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP34	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP35	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP36	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP41	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP51	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP54	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP55	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP56	309.327.095	ZPD3,9 Z-Diode	ZPD3,9 Z-Diode	ZPD3,9 Z-Diode
DP57	266.939	ZPD15V Z-Diode	ZPD15V Z-Diode	ZPD15V Z-Diode
DP61	266.469	BY399 Diode 800V	BY399 Diode	BY399 Diode
DP63	339.527.063	BY396 Diode	BY396 Diode	BY396 Diode
DP64	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP65	339.529.957	ZPD24 Z-Diode	ZPD24 Z-Diode	ZPD24 Z-Diode
DP66	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP67	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP68	339.529.794	ZPD3,3 Z-Diode	ZPD3,3 Z-Diode	ZPD3,3 Z-Diode
DP72	309.327.145	ZPY82 Z-Diode	ZPY82 Z-Diode	ZPY82 Z-Diode
DP73	339.527.063	BY396 Diode	BY396 Diode	BY396 Diode
DP76	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP77	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP79	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP80	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP81	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP82	266.534	BY397 Diode	BY397 Diode	BY397 Diode
DP83	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP84	160.082.70	1N5817 Diode	1N5817 Diode	1N5817 Diode
DP84	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP87	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP88	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
DR27	309.327.124	ZPD2,7, Z-Diode	ZPD2,7, Z-Diode	ZPD2,7, Z-Diode
DR42	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DR81	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DR84	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV01	339.525.013	1N4001 Diode	1N4001 Diode	1N4001 Diode
DV03	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DV26	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV27	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV31	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV32	256.417	BZX55C6V8 0,5W Z-Diode	BZX55C6V8 0,5W Z-Diode	BZX55C6V8 0,5W Z-Diode
DV34	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DX01	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DX03	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
IA01	100.080.60	TDA2616 IC	TDA2616 IC	TDA2616 CI
IA01	261.825	Montageclip	Clip 1	Agrafe 1
IC01	100.078.80	STV2151AF IC	STV2151AF IC	STV2151AF CI
IC02	101.128.60	TDA4671 IC	TDA4671 IC	TDA4671 CI
IF01	252.593	Silikonscheibe	Silicon plate	Rondelle silicone
IF01	309.368.686	TDA8172 IC	TDA8172 IC	TDA8172 CI
IF01	703.966.00	Montageclip	Clip	Agrafe
IP01	309.368.549	TEA2261 IC	TEA2261 IC	TEA2261 CI
IP02	704.014.02	AN7809/MC7809 IC	AN7809/MC7809 IC	AN7809/MC7809 IC
IP03	704.014.02	AN7809/MC7809 IC	AN7809/MC7809 IC	AN7809/MC7809 IC
IR01	101.787.70	ST9293J7B1/XX SOFT27/FT IC prog. o. S.	ST9293J7B1/XX IC	ST9293J7B1/XX CI
IR01	300.385.90	ST9293J7B1/XX SOFT27/FT IC prog. M. S.	ST9293J7B1/XX IC	ST9293J7B1/XX CI
IR01	101.787.60	ST9293J7B1/KJ SOFT27/TT IC prog. o. S.	ST9293J7B1/KJ IC	ST9293J7B1/KJ CI
IR01	300.385.80	ST9293J7B1/KJ SOFT27/TT IC prog. M. S.	ST9293J7B1/KJ IC	ST9293J7B1/KJ CI
IR01	103.331.20	ST9293J9B1/AEJ SOFT107TT IC prog. o. S.	ST9293J9B1/AEJ IC	ST9293J9B1/AEJ CI
IR01	300.544.50	ST9293J9B1/AEJ SOFT107TT IC prog. m. S.	ST9293J9B1/AEJ IC	ST9293J9B1/AEJ CI
IR01	103.331.10	ST9293J9B1/AEH SOFT101TT IC prog. o. S.	ST9293J9B1/AEH IC	ST9293J9B1/AEH CI
IR01	300.544.60	ST9293J9B1/AEH SOFT101TT IC prog. m. S	ST9293J9B1/AEH IC	ST9293J9B1/AEH CI
IR01	309.689.966	IC-Fassung 42polig	IC socket 42pole	Support CI 42 voies
IR02	243.022	IC-Fassung 8polig	IC socket 8pole	Support CI 8 voies
IR02	490.008.0379	X24C04 IC	X24C04 IC	X24C04 CI
IV01	110.391.62	STV2160SAF IC	STV2160SAF IC	STV2160SAF CI
IX01	309.368.217	MC14052BCP IC	MC14052BCP IC	MC14052BCP CI
LC01	339.349.708	10UH Drossel	10UH Choke coil	10UH Self
LC03	246.995	4U7H 10% Drossel	4U7H 10% Choke coil	4U7H 10% Self
LH02	100.940.40	5M5HZ 7X7 Filter	5M5HZ 7X7 Filter	5M5HZ 7X7 Filtre
LH03	246.995	4U7H 10% Drossel	4U7H 10% Choke coil	4U7H 10% Self
LH04	309.250.001	27UH 5% Drossel	27UH 5% Choke coil	27UH 5% Self
LL05	100.066.20 S	Diodensplit-Trafo C85MB	Diode split transformer	Transformateur THT
LL05	101.590.50 S	Diodensplit-Trafo C89 16:9	Diode split transformer	Transformateur THT
LL08	100.356.10 S	Kombi-Spule	Combi coil	Bobine
LL08	102.306.70 S	Kombi-Spule	Combi coil	Bobine

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LL10	339.349.708	10UH Drossel	10UH Choke coil	10UH Self
LL23	101.365.40	24UH 4% Drossel	24UH 4% Choke coil	24UH 4% Self
LL23	309.249.314	48U5H Spule	48U5H Choke coil	48U5H Self
LL26	102.109.50 S	40UH Spule H-Linearität	40UH H-Linearity coil	40UH Bobine linearite
LL30	309.250.006	23UH 4% Drossel	23UH 4% Choke coil	23UH 4% Self
LL30	309.259.016	32UH Drossel	32UH Choke coil	32UH Self
LL61	473.229.00	95UH 4% Drossel	95UH 4% Choke coil	95UH 4% Self
LL63	246.773	2U2H 10% Drossel	2U2H 10% Choke coil	2U2H 10% Self
LP10	101.170.50 S	Trafo Schaltnetzteil SMT7	Switched mode power transformer	Transformateur d'alimentation
LP10	101.746.70 S	Trafo Schaltnetzteil SMT7 16:9	Switched mode power transformer	Transformateur d'alimentation
LP10	102.953.60 S	Trafo Schaltnetzteil SMT7 (G5492-00)16:9	Switched mode power transformer	Transformateur d'alimentation
LP24	246.773	2U2H 10% Drossel	2U2H 10% Choke coil	2U2H 10% Self
LP44	309.309.989	Treibertransformator	Driver transformer	Transformateur
LR01	266.408	10UH Drossel	10UH Choke coil	10UH Self
LR71	339.349.710	4U7H Drossel	4U7H Choke coil	4U7H Self
LR73	339.349.710	4U7H Drossel	4U7H Choke coil	4U7H Self
LR75	339.349.710	4U7H Drossel	4U7H Choke coil	4U7H Self
LR77	339.349.710	4U7H Drossel	4U7H Choke coil	4U7H Self
QC01	100.877.10	4M433619HZ Quarz	4M433619HZ Crystal	4M433619HZ Quartz
QC02	100.877.20	3M579545HZ Quarz	3M579545HZ Crystal	3M579545HZ Quartz
QR01	101.191.40	22M0HZ Quarz	22M0HZ Crystal	22M0HZ Quartz
RA01	100.379.00 S	8R2 0,5W 5% Sicherheitswiderstand	8R2 0,5W 5% Fusible resistor	8R2 0,5W 5% Résistance fusible
RA03	100.379.00 S	8R2 0,5W 5% Sicherheitswiderstand	8R2 0,5W 5% Fusible resistor	8R2 0,5W 5% Résistance fusible
RC20	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RC23	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RC24	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RC25	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RC33	339.537.717 S	1R 0,3W 5% Sicherheitswiderstand	1R 0,3W 5% Fusible resistor	1R 0,3W 5% Résistance fusible
RF11	309.580.973 S	1R5 0,5W 5% Sicherheitswiderstand	1R5 0,5W 5% Fusible resistor	1R5 0,5W 5% Resistance fusible
RF12	309.530.698	1R 0,7W 5% Metalloxydwiderstand	1R 0,7W 5% Metal oxide resistor	1R 0,7W 5% Resistance metallique
RF15	108.833.00 S	10R 0,5W 5% Sicherheitswiderstand	10R 0,5W 5% Fusible resistor	10R 0,5W 5% Résistance fusible
RF20	102.337.20	220R 0,7W 1% Metallfilmwiderstand	220R 0,7W 1% Metal film resistor	220R 0,7W 1% Resistance metall.
RF21	309.580.973 S	1R5 0,5W 5% Sicherheitswiderstand	1R5 0,5W 5% Fusible resistor	1R5 0,5W 5% Resistance fusible
RH12	309.580.955 S	22R 0,3W 5% Sicherheitswiderstand	22R 0,3W 5% Fusible resistor	22R 0,3W 5% Resistance fusible
RH13	100.379.00 S	8R2 0,5W 5% Sicherheitswiderstand	8R2 0,5W 5% Fusible resistor	8R2 0,5W 5% Résistance fusible
RH13	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RL03	309.580.974 S	0R1 O,4W 10% Sicherheitswiderstand	0R1 0,4W 10% Fusible resistor	0R1 0,4W 10% Resistance fusible
RL11	309.580.969 S	15R 0,5W 5% Sicherheitswiderstand	15R 0,5W 5% Fusible resistor	15R 0,5W 5% Resistance fusible
RL12	104.338.30	64K9R 0,125W 1% Metallfilmwiderstand	64K9R 0,125W 1% Metal film resisto	64K9R 0,125W 1% Resistance metal.
RL12	413.073.01	73K2R 0,4W 1% Metallfilmwiderstand	73K2R 0,4W 1% Metal film resistor	73K2R 0,4W 1% Resistance metall.
RL13	104.338.30	64K9R 0,125W 1% Metallfilmwiderstand	64K9R 0,125W 1% Metal film resisto	64K9R 0,125W 1% Resistance metal.
RL13	413.073.01	73K2R 0,4W 1% Metallfilmwiderstand	73K2R 0,4W 1% Metal film resistor	73K2R 0,4W 1% Resistance metall.
RL13	413.076.01	78K7R 0,4W 1% Metallfilmwiderstand	78K7R 0,4W 1% Metal film resistor	78K7R 0,4W 1% Resistance metall.
RL14	101.512.70	56K 2W 10% Metalloxidwiderstand	56K 2W 10% Oxide metal resistor	56K 2W 10% Resistance metallique
RL23	243.840	27R 3W 5% Drahtwiderstand	27R 3W 5% Wire resistor	27R 3W 5% Resistance bobine
RL23	703.740.00	39R 3W 5% Drahtwiderstand	39R 3W 5% Wire resistor	39R 3W 5% Resistance bobine
RL26	102.260.10 S	1K5R 0,5W 5% Sicherheitswiderstand	1K5R 0,5W 5% Fusible resistor	1K5R 0,5W 5% Résistance fusible
RL45	102.469.20 S	1R 0,35W 5% Sicherheitswiderstand	1R 0,35W 5% Fusible resistor	1R 0,35W 5% Resistance fusible
RL50	309.580.974 S	0R1 O,4W 10% Sicherheitswiderstand	0R1 0,4W 10% Fusible resistor	0R1 0,4W 10% Resistance fusible
RP01	309.560.952	25R PTC-Widerstand	25R PTC resistor	25R Resistance CTP
RP01	309.560.955	18R 220V PTC-Widerstand	18R 220V PTC resistor	18R 220V Resistance CTP
RP07	309.537.650	39K 4W 10% Metalloxidwiderstand	39K 4W 10% Metal oxide resistor	39K 4W 10% Resistance metallique

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RP10	243.798 S	0R33 0,4W 10% Sicherheitswiderstand	0R33 0,4W 10% Fusible resistor	0R33 0,4W 10% Resistance fusible
RP13	100.094.20	270R 10W 10% Drahtwiderstand	270R 10W 10% Wire resistor	270R 10W 10% Resistance bobine
RP41	309.556.273	18R 3W 5% Drahtwiderstand	18R 3W 5% Wire resistor	18R 3W 5% Resistance bobine
RP50	309.530.716	10M 0,7W 5% Schichtwiderstand	10M 0,7W 5% Film resistor	10M 0,7W 5% Resistance a couche
RP69	101.513.30	0R27 1,5W 5% Metalloxidwiderstand	0R27 1,5W 5% Oxide metal resistor	0R27 1,5W 5% Resistance metall.
RP69	412.549.24	150MI0R 2W 10% Drahtwiderstand	150MI0R 2W 10% Wire resistor	150MI0R 2W 10% Resistance bobine
RR01	309.580.974 S	0R1 O,4W 10% Sicherheitswiderstand	0R1 0,4W 10% Fusible resistor	0R1 0,4W 10% Resistance fusible
RV01	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RV32	413.443.01	4K75 0,25W 1% Metallfilmwiderstand	4K75 0,25W 1% Metal film resistor	4K75 0,25W 1% Resistance metall.
RX24	411.174.01	475R 0,4W 1% Metallfilmwiderstand	475R 0,4W 1% Metal film resistor	475R 0,4W 1% Resistance metall.
RX25	412.839.01	82R5 0,4W 1% Metallfilmwiderstand	82R5 0,4W 1% Metal film resistor	82R5 0,4W 1% Resistance metall.
RX33	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RX48	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RX54	412.433.01	150K 0,4W 1% Metallfilmwiderstand	150K 0,4W 1% Metal film resistor	150K 0,4W 1% Resistance metall.
RX91	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RX95	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
SP01	309.636.944	Relais 12V	Relay 12V	Relais 12V
TA01	261.825	Montageclip	Clip 1	Agrafe 1
TA01	309.001.351	BD242 Transistor	BD242 Transistor	BD242 Transistor
TA02	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TA20	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TC01	309.001.246	BC368 Transistor	BC368 Transistor	BC368 Transistor
TC02	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TC03	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TC04	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TF40	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TH01	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TH03	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TH04	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TH05	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL19	261.825	Montageclip	Clip 1	Agrafe 1
TL19	309.001.371	BUH517TH Transistor	BUH517TH Transistor	BUH517TH Transistor
TL40	261.827	Montageclip	Clip	Agrafe
TL40	450.493.00	BD681 Transistor	BD681 Transistor	BD681 Transistor
TL51	309.368.470	UA7805CSP/MC7805 IC	UA7805CSP IC	UA7805CSP CI
TL60	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL61	101.176.70	2SC2655Y Transistor	2SC2655Y Transistor	2SC2655Y Transistor
TL62	242.866	2SA1020Y Transistor	2SA1020Y Transistor	2SA1020Y Transistor
TL63	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL64	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TL65	273.209	BC327-40 Transistor	BC327-40 Transistor	BC327-40 Transistor
TP10	261.825	Montageclip	Clip 1	Agrafe 1
TP10	309.001.390	BUH713TH Transistor	BUH713 Transistor	BUH713 Transistor
TP34	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP52	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP54	463.077	BF422 Transistor	BF422 Transistor	BF422 Transistor
TP61	339.556.222	BC547B Transistor	BC547B Transistor	BC547B Transistor
TP66	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TP67	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP69	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP76	463.077	BF422 Transistor	BF422 Transistor	BF422 Transistor

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TP77	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP78	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR22	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR27	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR28	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TR42	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR80	309.001.246	BC368 Transistor	BC368 Transistor	BC368 Transistor
TR81	242.014	BC848/C Transistor SMD	BC848/C Transistor	BC848/C Transistor
TR81	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TR85	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TR87	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TR90	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TV06	339.556.787	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TV71	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TV76	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TV81	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX03	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TX04	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX05	339.556.222	BC547B Transistor	BC547B Transistor	BC547B Transistor
TX06	339.556.222	BC547B Transistor	BC547B Transistor	BC547B Transistor
TX07	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TX08	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX09	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX10	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX11	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX12	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX13	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX14	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TX15	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TX16	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX17	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
-	100.636.30	Modulhalter, NICAM ICC9	Module holder	Support plastique
-	101.210.40	Halter für Kabel/DST	Cable holder	Support de câble
-	101.217.70	Modulhalter DVT/AMFM	Module holder	Support plastique
-	101.258.10	Leitung mit Stecker 7polig 340mm vom CHASSIS zum CRT	Cable with socket 7-pole 340mm	Cable avec fiche 7-polaire
-	101.325.50	Leitung mit Stecker 3polig 340mm vom CHASSIS zum CRT	Cable with socket 3-pole 340mm	Cable avec fiche 3-polaire
-	102.439.90	Leitung mit Stecker 4polig 460mm vom CHASSIS zum ZOOM	Cable with socket, 4-pole, 460mm	Cable avec fiche, 4-polaire
-	102.600.00	Halter Modul2	Module2 holder	Support2 plastic
-	103.011.60	Halter Dolby1	Dolby1 holder	Support Dolby1
-	246.545	Schutzkappe 4,3 Spannungskabel	Protection cap for high voltage cable	Capot plastique
-	246.895	Chassisrahmen	Chassis frame	Chassis plastique
-	309.699.432	Hochspannungskabel Anode	High tension cable	D'energie haute tension
-	309.699.434	Fokuskabel dünn 460mm	Focus cable 460mm	Cable focus 460mm
-	309.863.511	Chassis-Rahmen Konz. 6mm	Chassis frame	Chassis plastique
-	309.900.528	Halter VT-ZOOM	Holder vt-zoom	Support vt-zoom
-	309.902.930	Klemmstück für Hochspannungskabel	Cable holder	Support cable
-	309.902.931	Klemmstück Fokusleitung	Cable holder focus cable	Support de câble
-	309.951.997	Schutzkappe F.CP21/ 49/50	Protection cap	Capot plastique